

# SAFETY DATA SHEET



Infection Detection Panel I, Part Number 8929000

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

<b>Product name</b>	:	Infection Detection Panel I, Part Number 8929000
<b>Part no. (chemical kit)</b>	:	8929000
<b>Part no.</b>	:	FITC Mouse anti-human CD14 8929996
		PE Mouse anti-human CD64 8929997
		PerCP Mouse anti-human CD45 8929998
		APC Mouse anti-human HLA-DR 8929999
		Lysing solution 891B604

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

<b>Material uses</b>	:	For research use only. Not for use in diagnostic procedures (RUO).
		FITC Mouse anti-human CD14 0.25 ml
		PE Mouse anti-human CD64 0.25 ml
		PerCP Mouse anti-human CD45 0.25 ml
		APC Mouse anti-human HLA-DR 0.25 ml
		Lysing solution 5 ml

### 1.3 Details of the supplier of the safety data sheet

Agilent Technologies Manufacturing GmbH & Co. KG  
Hewlett-Packard-Str. 8  
76337 Waldbronn  
Germany  
0800 603 1000

**e-mail address of person responsible for this SDS** : pdl-msds\_author@agilent.com

### 1.4 Emergency telephone number

**Emergency telephone number (with hours of operation)** : CHEMTREC®: +(44)-870-8200418

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

<b>Product definition</b>	:	FITC Mouse anti-human CD14 Mixture
		PE Mouse anti-human CD64 Mixture
		PerCP Mouse anti-human CD45 Mixture
		APC Mouse anti-human HLA-DR Mixture
		Lysing solution Mixture

[Classification according to Regulation \(EC\) No. 1272/2008 \[CLP/GHS\]](#)

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## SECTION 2: Hazards identification

### FITC Mouse anti-human CD14

H412 LONG-TERM (CHRONIC) AQUATIC HAZARD

### PE Mouse anti-human CD64

H412 LONG-TERM (CHRONIC) AQUATIC HAZARD

### PerCP Mouse anti-human CD45

H412 LONG-TERM (CHRONIC) AQUATIC HAZARD

### APC Mouse anti-human HLA-DR

H412 LONG-TERM (CHRONIC) AQUATIC HAZARD

### Lysing solution

H302 ACUTE TOXICITY (oral)  
 H312 ACUTE TOXICITY (dermal)  
 H315 SKIN CORROSION/IRRITATION  
 H319 SERIOUS EYE DAMAGE/EYE IRRITATION  
 H317 SKIN SENSITISATION  
 H341 GERM CELL MUTAGENICITY  
 H350 CARCINOGENICITY  
 H335 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation)

**Ingredients of unknown toxicity** : Lysing solution Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 1 - 10%  
 Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 1 - 10%  
 Percentage of the mixture consisting of ingredient(s) of unknown acute oral toxicity: 1 - 10%

**Ingredients of unknown ecotoxicity** : Lysing solution Contains 1% of components with unknown hazards to the aquatic environment

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

## 2.2 Label elements

**Hazard pictograms** : Lysing solution



**Signal word** : FITC Mouse anti-human CD14 No signal word.  
 PE Mouse anti-human CD64 No signal word.  
 PerCP Mouse anti-human CD45 No signal word.  
 APC Mouse anti-human HLA-DR No signal word.  
 Lysing solution Danger

## SECTION 2: Hazards identification

<b>Hazard statements</b>	: FITC Mouse anti-human CD14 PE Mouse anti-human CD64 PerCP Mouse anti-human CD45 APC Mouse anti-human HLA-DR Lysing solution	H412 - Harmful to aquatic life with long lasting effects. H412 - Harmful to aquatic life with long lasting effects. H412 - Harmful to aquatic life with long lasting effects. H412 - Harmful to aquatic life with long lasting effects. H302 + H312 - Harmful if swallowed or in contact with skin. H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. H335 - May cause respiratory irritation. H341 - Suspected of causing genetic defects. H350 - May cause cancer.
<b>Precautionary statements</b>		
<b>Prevention</b>	: FITC Mouse anti-human CD14 PE Mouse anti-human CD64 PerCP Mouse anti-human CD45 APC Mouse anti-human HLA-DR Lysing solution	P273 - Avoid release to the environment. P273 - Avoid release to the environment. P273 - Avoid release to the environment. P273 - Avoid release to the environment. P201 - Obtain special instructions before use. P280 - Wear protective gloves. Wear protective clothing. Wear eye or face protection. P261 - Avoid breathing vapour.
<b>Response</b>	: FITC Mouse anti-human CD14 PE Mouse anti-human CD64 PerCP Mouse anti-human CD45 APC Mouse anti-human HLA-DR Lysing solution	Not applicable. Not applicable. Not applicable. Not applicable. P308 + P313 - IF exposed or concerned: Get medical advice or attention.
<b>Storage</b>	: FITC Mouse anti-human CD14 PE Mouse anti-human CD64 PerCP Mouse anti-human CD45 APC Mouse anti-human HLA-DR Lysing solution	Not applicable. Not applicable. Not applicable. Not applicable. P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
<b>Disposal</b>	: FITC Mouse anti-human CD14 PE Mouse anti-human CD64 PerCP Mouse anti-human CD45 APC Mouse anti-human HLA-DR Lysing solution	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

## SECTION 2: Hazards identification

<b>Hazardous ingredients</b>	:	FITC Mouse anti-human CD14 PE Mouse anti-human CD64 PerCP Mouse anti-human CD45 APC Mouse anti-human HLA-DR Lysing solution	Not applicable. Not applicable. Not applicable. Not applicable. - 2,2' -oxybisethanol - formaldehyde
<b>Supplemental label elements</b>	:	FITC Mouse anti-human CD14 PE Mouse anti-human CD64 PerCP Mouse anti-human CD45 APC Mouse anti-human HLA-DR Lysing solution	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
<b>Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles</b>	:	FITC Mouse anti-human CD14 PE Mouse anti-human CD64 PerCP Mouse anti-human CD45 APC Mouse anti-human HLA-DR Lysing solution	Not applicable. Not applicable. Not applicable. Not applicable. Restricted to professional users.
<b><u>Special packaging requirements</u></b>			
<b>Tactile warning of danger</b>	:	FITC Mouse anti-human CD14 PE Mouse anti-human CD64 PerCP Mouse anti-human CD45 APC Mouse anti-human HLA-DR Lysing solution	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
<b>2.3 Other hazards</b>			
<b>Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII</b>	:	FITC Mouse anti-human CD14 PE Mouse anti-human CD64 PerCP Mouse anti-human CD45 APC Mouse anti-human HLA-DR Lysing solution	This mixture does not contain any substances that are assessed to be a PBT or a vPvB. This mixture does not contain any substances that are assessed to be a PBT or a vPvB. This mixture does not contain any substances that are assessed to be a PBT or a vPvB. This mixture does not contain any substances that are assessed to be a PBT or a vPvB. This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
<b>Other hazards which do not result in classification</b>	:	FITC Mouse anti-human CD14 PE Mouse anti-human CD64 PerCP Mouse anti-human CD45 APC Mouse anti-human HLA-DR Lysing solution	None known. None known. None known. None known. None known.

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### SECTION 3: Composition/information on ingredients

<b>3.1 Substances</b>	:	FITC Mouse anti-human CD14	Mixture
		PE Mouse anti-human CD64	Mixture
		PerCP Mouse anti-human CD45	Mixture
		APC Mouse anti-human HLA-DR	Mixture
		Lysing solution	Mixture

Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Type
<b>FITC Mouse anti-human CD14</b> Sodium azide	EC: 247-852-1 CAS: 26628-22-8 Index: 011-004-00-7	≤1	Acute Tox. 2, H300 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) EUH032	[1] [2]
<b>PE Mouse anti-human CD64</b> Sodium azide	EC: 247-852-1 CAS: 26628-22-8 Index: 011-004-00-7	≤1	Acute Tox. 2, H300 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) EUH032	[1] [2]
<b>PerCP Mouse anti-human CD45</b> Sodium azide	EC: 247-852-1 CAS: 26628-22-8 Index: 011-004-00-7	≤1	Acute Tox. 2, H300 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) EUH032	[1] [2]
<b>APC Mouse anti-human HLA-DR</b> Sodium azide	EC: 247-852-1 CAS: 26628-22-8 Index: 011-004-00-7	≤1	Acute Tox. 2, H300 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) EUH032	[1] [2]
<b>Lysing solution</b> 2,2' -oxybisethanol	EC: 203-872-2 CAS: 111-46-6 Index: 603-140-00-6	≥25 - ≤50	Acute Tox. 4, H302	[1] [2]
Formaldehyde, solution	EC: 200-001-8 CAS: 50-00-0 Index: 605-001-00-5	≥10 - <15	Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 3, H331 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Muta. 2, H341 Carc. 1B, H350 STOT SE 3, H335  <b>See Section 16 for the full text of the H statements declared above.</b>	[1] [2]

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

#### Type

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern
- [6] Additional disclosure due to company policy

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

<b>Eye contact</b>	: FITC Mouse anti-human CD14	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
	PE Mouse anti-human CD64	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
	PerCP Mouse anti-human CD45	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
	APC Mouse anti-human HLA-DR	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
	Lysing solution	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
<b>Inhalation</b>	: FITC Mouse anti-human CD14	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
	PE Mouse anti-human CD64	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
	PerCP Mouse anti-human CD45	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
	APC Mouse anti-human HLA-DR	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
	Lysing solution	Remove victim to fresh air and keep at rest in a position



## SECTION 4: First aid measures

		<p>comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.</p>
<b>Skin contact</b>	<p>: FITC Mouse anti-human CD14</p> <p>PE Mouse anti-human CD64</p> <p>PerCP Mouse anti-human CD45</p> <p>APC Mouse anti-human HLA-DR</p> <p>Lysing solution</p>	<p>Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.</p> <p>Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.</p> <p>Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.</p> <p>Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.</p> <p>Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. If necessary, call a poison center or physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.</p>
<b>Ingestion</b>	<p>: FITC Mouse anti-human CD14</p> <p>PE Mouse anti-human CD64</p>	<p>Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p> <p>Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery</p>

**SECTION 4: First aid measures**

PerCP Mouse anti-human CD45

position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

APC Mouse anti-human HLA-DR

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Lysing solution

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Protection of first-aiders** : FITC Mouse anti-human CD14

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

PE Mouse anti-human CD64

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

PerCP Mouse anti-human CD45

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

APC Mouse anti-human HLA-DR

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Lysing solution

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with



## SECTION 4: First aid measures

water before removing it, or wear gloves.

### 4.2 Most important symptoms and effects, both acute and delayed

#### Potential acute health effects

<b>Eye contact</b>	: FITC Mouse anti-human CD14	No known significant effects or critical hazards.
	PE Mouse anti-human CD64	No known significant effects or critical hazards.
	PerCP Mouse anti-human CD45	No known significant effects or critical hazards.
	APC Mouse anti-human HLA-DR	No known significant effects or critical hazards.
	Lysing solution	Causes serious eye irritation.
<b>Inhalation</b>	: FITC Mouse anti-human CD14	No known significant effects or critical hazards.
	PE Mouse anti-human CD64	No known significant effects or critical hazards.
	PerCP Mouse anti-human CD45	No known significant effects or critical hazards.
	APC Mouse anti-human HLA-DR	No known significant effects or critical hazards.
	Lysing solution	May cause respiratory irritation.
<b>Skin contact</b>	: FITC Mouse anti-human CD14	No known significant effects or critical hazards.
	PE Mouse anti-human CD64	No known significant effects or critical hazards.
	PerCP Mouse anti-human CD45	No known significant effects or critical hazards.
	APC Mouse anti-human HLA-DR	No known significant effects or critical hazards.
	Lysing solution	Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction.
<b>Ingestion</b>	: FITC Mouse anti-human CD14	No known significant effects or critical hazards.
	PE Mouse anti-human CD64	No known significant effects or critical hazards.
	PerCP Mouse anti-human CD45	No known significant effects or critical hazards.
	APC Mouse anti-human HLA-DR	No known significant effects or critical hazards.
	Lysing solution	Harmful if swallowed.
<b><u>Over-exposure signs/symptoms</u></b>		
<b>Eye contact</b>	: FITC Mouse anti-human CD14	No specific data.
	PE Mouse anti-human CD64	No specific data.
	PerCP Mouse anti-human CD45	No specific data.
	APC Mouse anti-human HLA-DR	No specific data.
	Lysing solution	Adverse symptoms may include the following: pain or irritation watering redness

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<b>Inhalation</b>	:	FITC Mouse anti-human CD14	No specific data.	
		PE Mouse anti-human CD64	No specific data.	
		PerCP Mouse anti-human CD45	No specific data.	
		APC Mouse anti-human HLA-DR	No specific data.	
		Lysing solution	Adverse symptoms may include the following: respiratory tract irritation coughing	
	<b>Skin contact</b>	:	FITC Mouse anti-human CD14	No specific data.
			PE Mouse anti-human CD64	No specific data.
		PerCP Mouse anti-human CD45	No specific data.	
		APC Mouse anti-human HLA-DR	No specific data.	
		Lysing solution	Adverse symptoms may include the following: irritation redness	
<b>Ingestion</b>		:	FITC Mouse anti-human CD14	No specific data.
			PE Mouse anti-human CD64	No specific data.
		PerCP Mouse anti-human CD45	No specific data.	
		APC Mouse anti-human HLA-DR	No specific data.	
		Lysing solution	No specific data.	

### 4.3 Indication of any immediate medical attention and special treatment needed

<b>Notes to physician</b>	:	FITC Mouse anti-human CD14	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.	
		PE Mouse anti-human CD64	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.	
		PerCP Mouse anti-human CD45	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.	
		APC Mouse anti-human HLA-DR	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.	
		Lysing solution	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.	
	<b>Specific treatments</b>	:	FITC Mouse anti-human CD14	No specific treatment.
			PE Mouse anti-human CD64	No specific treatment.
		PerCP Mouse anti-human CD45	No specific treatment.	
		APC Mouse anti-human HLA-DR	No specific treatment.	
		Lysing solution	No specific treatment.	

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

<b>Suitable extinguishing media</b>	: FITC Mouse anti-human CD14	Use an extinguishing agent suitable for the surrounding fire.
	PE Mouse anti-human CD64	Use an extinguishing agent suitable for the surrounding fire.
	PerCP Mouse anti-human CD45	Use an extinguishing agent suitable for the surrounding fire.
	APC Mouse anti-human HLA-DR	Use an extinguishing agent suitable for the surrounding fire.
	Lysing solution	Use an extinguishing agent suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	: FITC Mouse anti-human CD14	None known.
	PE Mouse anti-human CD64	None known.
	PerCP Mouse anti-human CD45	None known.
	APC Mouse anti-human HLA-DR	None known.
	Lysing solution	None known.

### 5.2 Special hazards arising from the substance or mixture

<b>Hazards from the substance or mixture</b>	: FITC Mouse anti-human CD14	In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
	PE Mouse anti-human CD64	In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
	PerCP Mouse anti-human CD45	In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
	APC Mouse anti-human HLA-DR	In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
	Lysing solution	In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Hazardous combustion products</b>	: FITC Mouse anti-human CD14	No specific data.
	PE Mouse anti-human CD64	No specific data.
	PerCP Mouse anti-human CD45	No specific data.
	APC Mouse anti-human HLA-DR	No specific data.
	Lysing solution	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides metal oxide/oxides

### 5.3 Advice for firefighters

## SECTION 5: Firefighting measures

<b>Special precautions for fire-fighters</b>	: FITC Mouse anti-human CD14	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	PE Mouse anti-human CD64	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	PerCP Mouse anti-human CD45	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	APC Mouse anti-human HLA-DR	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	Lysing solution	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
<b>Special protective equipment for fire-fighters</b>	: FITC Mouse anti-human CD14	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
	PE Mouse anti-human CD64	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
	PerCP Mouse anti-human CD45	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
	APC Mouse anti-human HLA-DR	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
	Lysing solution	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

<b>For non-emergency personnel</b>	: FITC Mouse anti-human CD14	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	PE Mouse anti-human CD64	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**SECTION 6: Accidental release measures**

	PerCP Mouse anti-human CD45	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	APC Mouse anti-human HLA-DR	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	Lysing solution	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
<b>For emergency responders</b>	: FITC Mouse anti-human CD14	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	PE Mouse anti-human CD64	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	PerCP Mouse anti-human CD45	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	APC Mouse anti-human HLA-DR	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	Lysing solution	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
<b>6.2 Environmental precautions</b>	: FITC Mouse anti-human CD14	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.
	PE Mouse anti-human CD64	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.
	PerCP Mouse anti-human CD45	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.
	APC Mouse anti-human HLA-DR	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant

## SECTION 6: Accidental release measures

Lysing solution	<p>authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.</p> <p>Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).</p>
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### 6.3 Methods and material for containment and cleaning up

<b>Methods for cleaning up</b> : FITC Mouse anti-human CD14	<p>Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.</p>
PE Mouse anti-human CD64	<p>Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.</p>
PerCP Mouse anti-human CD45	<p>Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.</p>
APC Mouse anti-human HLA-DR	<p>Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.</p>
Lysing solution	<p>Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.</p>

**6.4 Reference to other sections** : See Section 1 for emergency contact information.  
 See Section 8 for information on appropriate personal protective equipment.  
 See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

<b>Protective measures</b> : FITC Mouse anti-human CD14	<p>Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.</p>
PE Mouse anti-human CD64	<p>Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.</p>
PerCP Mouse anti-human CD45	<p>Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to</p>



## SECTION 7: Handling and storage

		the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
	APC Mouse anti-human HLA-DR	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
	Lysing solution	Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
<b>Advice on general occupational hygiene</b>	: FITC Mouse anti-human CD14	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
	PE Mouse anti-human CD64	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
	PerCP Mouse anti-human CD45	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
	APC Mouse anti-human HLA-DR	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
	Lysing solution	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

### 7.2 Conditions for safe storage, including any incompatibilities

## SECTION 7: Handling and storage

Storage		
	: FITC Mouse anti-human CD14	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
	PE Mouse anti-human CD64	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
	PerCP Mouse anti-human CD45	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
	APC Mouse anti-human HLA-DR	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
	Lysing solution	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

### 7.3 Specific end use(s)

Recommendations		
	: FITC Mouse anti-human CD14	Industrial applications, Professional applications.
	PE Mouse anti-human CD64	Industrial applications, Professional applications.
	PerCP Mouse anti-human CD45	Industrial applications, Professional applications.
	APC Mouse anti-human HLA-DR	Industrial applications, Professional applications.
	Lysing solution	Industrial applications, Professional applications.

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## SECTION 7: Handling and storage

<b>Industrial sector specific solutions</b>	<b>FITC Mouse anti-human CD14</b>	Not applicable.
	<b>PE Mouse anti-human CD64</b>	Not applicable.
	<b>PerCP Mouse anti-human CD45</b>	Not applicable.
	<b>APC Mouse anti-human HLA-DR</b>	Not applicable.
	<b>Lysing solution</b>	Not applicable.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

Product/ingredient name	Exposure limit values
<b>FITC Mouse anti-human CD14</b> Sodium azide	<b>EH40/2005 WELs (United Kingdom (UK), 8/2018). Absorbed through skin.</b> STEL: 0.3 mg/m <sup>3</sup> , (as NaN <sub>3</sub> ) 15 minutes. TWA: 0.1 mg/m <sup>3</sup> , (as NaN <sub>3</sub> ) 8 hours.
<b>PE Mouse anti-human CD64</b> Sodium azide	<b>EH40/2005 WELs (United Kingdom (UK), 8/2018). Absorbed through skin.</b> STEL: 0.3 mg/m <sup>3</sup> , (as NaN <sub>3</sub> ) 15 minutes. TWA: 0.1 mg/m <sup>3</sup> , (as NaN <sub>3</sub> ) 8 hours.
<b>PerCP Mouse anti-human CD45</b> Sodium azide	<b>EH40/2005 WELs (United Kingdom (UK), 8/2018). Absorbed through skin.</b> STEL: 0.3 mg/m <sup>3</sup> , (as NaN <sub>3</sub> ) 15 minutes. TWA: 0.1 mg/m <sup>3</sup> , (as NaN <sub>3</sub> ) 8 hours.
<b>APC Mouse anti-human HLA-DR</b> Sodium azide	<b>EH40/2005 WELs (United Kingdom (UK), 8/2018). Absorbed through skin.</b> STEL: 0.3 mg/m <sup>3</sup> , (as NaN <sub>3</sub> ) 15 minutes. TWA: 0.1 mg/m <sup>3</sup> , (as NaN <sub>3</sub> ) 8 hours.
<b>Lysing solution</b> 2,2' -oxybisethanol	<b>EH40/2005 WELs (United Kingdom (UK), 8/2018).</b> TWA: 101 mg/m <sup>3</sup> 8 hours. TWA: 23 ppm 8 hours.
Formaldehyde, solution	<b>EH40/2005 WELs (United Kingdom (UK), 8/2018).</b> STEL: 2.5 mg/m <sup>3</sup> 15 minutes. STEL: 2 ppm 15 minutes. TWA: 2 ppm 8 hours. TWA: 2.5 mg/m <sup>3</sup> 8 hours.

#### Recommended monitoring procedures

- : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

## SECTION 8: Exposure controls/personal protection

### DNELs/DMELs

Product/ingredient name	Type	Exposure	Value	Population	Effects
Lysing solution 2,2' -oxybisethanol	DNEL	Long term Inhalation	12 mg/m <sup>3</sup>	General population	Local
	DNEL	Long term Inhalation	12 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Dermal	53 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	60 mg/m <sup>3</sup>	Workers	Local
	DNEL	Long term Inhalation	60 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Dermal	106 mg/kg bw/day	Workers	Systemic
Formaldehyde, solution	DNEL	Long term Inhalation	0.1 mg/m <sup>3</sup>	General population	Local
	DNEL	Long term Inhalation	0.5 mg/m <sup>3</sup>	Workers	Local
	DNEL	Short term Inhalation	1 mg/m <sup>3</sup>	Workers	Local
	DNEL	Long term Inhalation	3.2 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Oral	4.1 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	9 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Dermal	102 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	240 mg/kg bw/day	Workers	Systemic

### PNECs

No PNECs available

### 8.2 Exposure controls

**Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

### Skin protection

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

## SECTION 8: Exposure controls/personal protection

- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

<b>Physical state</b>	: FITC Mouse anti-human CD14	Liquid.
	PE Mouse anti-human CD64	Liquid.
	PerCP Mouse anti-human CD45	Liquid.
	APC Mouse anti-human HLA-DR	Liquid.
	Lysing solution	Liquid.
<b>Colour</b>	: FITC Mouse anti-human CD14	Not available.
	PE Mouse anti-human CD64	Not available.
	PerCP Mouse anti-human CD45	Not available.
	APC Mouse anti-human HLA-DR	Not available.
	Lysing solution	Not available.
<b>Odour</b>	: FITC Mouse anti-human CD14	Not available.
	PE Mouse anti-human CD64	Not available.
	PerCP Mouse anti-human CD45	Not available.
	APC Mouse anti-human HLA-DR	Not available.
	Lysing solution	Not available.
<b>Odour threshold</b>	: FITC Mouse anti-human CD14	Not available.
	PE Mouse anti-human CD64	Not available.
	PerCP Mouse anti-human CD45	Not available.
	APC Mouse anti-human HLA-DR	Not available.
	Lysing solution	Not available.

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## SECTION 9: Physical and chemical properties

<b>pH</b>	: FITC Mouse anti-human CD14	Not available.
	PE Mouse anti-human CD64	Not available.
	PerCP Mouse anti-human CD45	Not available.
	APC Mouse anti-human HLA-DR	Not available.
	Lysing solution	Not available.
<b>Melting point/freezing point</b>	: FITC Mouse anti-human CD14	0°C
	PE Mouse anti-human CD64	0°C
	PerCP Mouse anti-human CD45	0°C
	APC Mouse anti-human HLA-DR	0°C
	Lysing solution	Not available.
<b>Initial boiling point and boiling range</b>	: FITC Mouse anti-human CD14	100°C
	PE Mouse anti-human CD64	100°C
	PerCP Mouse anti-human CD45	100°C
	APC Mouse anti-human HLA-DR	100°C
	Lysing solution	Not available.
<b>Flash point</b>	: FITC Mouse anti-human CD14	Not available.
	PE Mouse anti-human CD64	Not available.
	PerCP Mouse anti-human CD45	Not available.
	APC Mouse anti-human HLA-DR	Not available.
	Lysing solution	Not available.
<b>Evaporation rate</b>	: FITC Mouse anti-human CD14	Not available.
	PE Mouse anti-human CD64	Not available.
	PerCP Mouse anti-human CD45	Not available.
	APC Mouse anti-human HLA-DR	Not available.
	Lysing solution	Not available.
<b>Flammability (solid, gas)</b>	: FITC Mouse anti-human CD14	Not applicable.
	PE Mouse anti-human CD64	Not applicable.
	PerCP Mouse anti-human CD45	Not applicable.
	APC Mouse anti-human HLA-DR	Not applicable.
	Lysing solution	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	: FITC Mouse anti-human CD14	Not available.
	PE Mouse anti-human CD64	Not available.
	PerCP Mouse anti-human CD45	Not available.
	APC Mouse anti-	Not available.



## SECTION 9: Physical and chemical properties

	human HLA-DR	
	Lysing solution	Not available.
<b>Vapour pressure</b>	: FITC Mouse anti-human CD14	Not available.
	PE Mouse anti-human CD64	Not available.
	PerCP Mouse anti-human CD45	Not available.
	APC Mouse anti-human HLA-DR	Not available.
	Lysing solution	Not available.
<b>Vapour density</b>	: FITC Mouse anti-human CD14	Not available.
	PE Mouse anti-human CD64	Not available.
	PerCP Mouse anti-human CD45	Not available.
	APC Mouse anti-human HLA-DR	Not available.
	Lysing solution	Not available.
<b>Relative density</b>	: FITC Mouse anti-human CD14	Not available.
	PE Mouse anti-human CD64	Not available.
	PerCP Mouse anti-human CD45	Not available.
	APC Mouse anti-human HLA-DR	Not available.
	Lysing solution	Not available.
<b>Solubility(ies)</b>	: FITC Mouse anti-human CD14	Easily soluble in the following materials: cold water and hot water.
	PE Mouse anti-human CD64	Easily soluble in the following materials: cold water and hot water.
	PerCP Mouse anti-human CD45	Easily soluble in the following materials: cold water and hot water.
	APC Mouse anti-human HLA-DR	Easily soluble in the following materials: cold water and hot water.
	Lysing solution	Soluble in the following materials: cold water and hot water.
<b>Partition coefficient: n-octanol/water</b>	: FITC Mouse anti-human CD14	Not available.
	PE Mouse anti-human CD64	Not available.
	PerCP Mouse anti-human CD45	Not available.
	APC Mouse anti-human HLA-DR	Not available.
	Lysing solution	Not available.
<b>Auto-ignition temperature</b>	: FITC Mouse anti-human CD14	Not available.
	PE Mouse anti-human CD64	Not available.
	PerCP Mouse anti-human CD45	Not available.
	APC Mouse anti-human HLA-DR	Not available.
	Lysing solution	Not available.

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## SECTION 9: Physical and chemical properties

<b>Decomposition temperature</b>	: FITC Mouse anti-human CD14	Not available.
	PE Mouse anti-human CD64	Not available.
	PerCP Mouse anti-human CD45	Not available.
	APC Mouse anti-human HLA-DR	Not available.
	Lysing solution	Not available.
	<b>Viscosity</b>	: FITC Mouse anti-human CD14
	PE Mouse anti-human CD64	Not available.
	PerCP Mouse anti-human CD45	Not available.
	APC Mouse anti-human HLA-DR	Not available.
	Lysing solution	Not available.
<b>Explosive properties</b>	: FITC Mouse anti-human CD14	Not available.
	PE Mouse anti-human CD64	Not available.
	PerCP Mouse anti-human CD45	Not available.
	APC Mouse anti-human HLA-DR	Not available.
	Lysing solution	Not available.
	<b>Oxidising properties</b>	: FITC Mouse anti-human CD14
PE Mouse anti-human CD64		Not available.
PerCP Mouse anti-human CD45		Not available.
APC Mouse anti-human HLA-DR		Not available.
Lysing solution		Not available.

### 9.2 Other information

No additional information.

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity</b>	: FITC Mouse anti-human CD14	No specific test data related to reactivity available for this product or its ingredients.
	PE Mouse anti-human CD64	No specific test data related to reactivity available for this product or its ingredients.
	PerCP Mouse anti-human CD45	No specific test data related to reactivity available for this product or its ingredients.
	APC Mouse anti-human HLA-DR	No specific test data related to reactivity available for this product or its ingredients.
	Lysing solution	No specific test data related to reactivity available for this product or its ingredients.
	<b>10.2 Chemical stability</b>	: FITC Mouse anti-human CD14
PE Mouse anti-human CD64		The product is stable.
PerCP Mouse anti-human CD45		The product is stable.
APC Mouse anti-human HLA-DR		The product is stable.

## SECTION 10: Stability and reactivity

Lysing solution                      The product is stable.

### 10.3 Possibility of hazardous reactions

: FITC Mouse anti-human CD14	Under normal conditions of storage and use, hazardous reactions will not occur.
PE Mouse anti-human CD64	Under normal conditions of storage and use, hazardous reactions will not occur.
PerCP Mouse anti-human CD45	Under normal conditions of storage and use, hazardous reactions will not occur.
APC Mouse anti-human HLA-DR	Under normal conditions of storage and use, hazardous reactions will not occur.
Lysing solution	Under normal conditions of storage and use, hazardous reactions will not occur.

### 10.4 Conditions to avoid

: FITC Mouse anti-human CD14	No specific data.
PE Mouse anti-human CD64	No specific data.
PerCP Mouse anti-human CD45	No specific data.
APC Mouse anti-human HLA-DR	No specific data.
Lysing solution	No specific data.

### 10.5 Incompatible materials

: FITC Mouse anti-human CD14	May react or be incompatible with oxidising materials.
PE Mouse anti-human CD64	May react or be incompatible with oxidising materials.
PerCP Mouse anti-human CD45	May react or be incompatible with oxidising materials.
APC Mouse anti-human HLA-DR	May react or be incompatible with oxidising materials.
Lysing solution	May react or be incompatible with oxidising materials.

### 10.6 Hazardous decomposition products

: FITC Mouse anti-human CD14	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
PE Mouse anti-human CD64	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
PerCP Mouse anti-human CD45	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
APC Mouse anti-human HLA-DR	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Lysing solution	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
<b>FITC Mouse anti-human CD14</b> Sodium azide	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Oral	Rat	27 mg/kg	-
<b>PE Mouse anti-human CD64</b> Sodium azide	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Oral	Rat	27 mg/kg	-

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<b>PerCP Mouse anti-human CD45</b> Sodium azide	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Oral	Rat	27 mg/kg	-
<b>APC Mouse anti-human HLA-DR</b> Sodium azide	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Oral	Rat	27 mg/kg	-
<b>Lysing solution</b> 2,2' -oxybisethanol	LD50 Dermal	Rabbit	11890 mg/kg	-
	LD50 Oral	Rat	12000 mg/kg	-
Formaldehyde, solution	LC50 Inhalation Vapour	Rat	250 ppm	4 hours
	LD50 Dermal	Rabbit	270 mg/kg	-
	LD50 Oral	Rat	100 mg/kg	-

### Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
<b>FITC Mouse anti-human CD14</b> FITC Mouse anti-human CD14 Sodium azide	3000 27	N/A N/A	N/A N/A	N/A N/A	N/A N/A
<b>PE Mouse anti-human CD64</b> PE Mouse anti-human CD64 Sodium azide	3000 27	N/A N/A	N/A N/A	N/A N/A	N/A N/A
<b>PerCP Mouse anti-human CD45</b> PerCP Mouse anti-human CD45 Sodium azide	3000 27	N/A N/A	N/A N/A	N/A N/A	N/A N/A
<b>APC Mouse anti-human HLA-DR</b> APC Mouse anti-human HLA-DR Sodium azide	3000 27	N/A N/A	N/A N/A	N/A N/A	N/A N/A
<b>Lysing solution</b> Lysing solution	454.5	1928.6	N/A	21.4	N/A
2,2' -oxybisethanol	500	11890	N/A	N/A	N/A
Formaldehyde, solution	100	270	N/A	3	N/A

### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
<b>Lysing solution</b> 2,2' -oxybisethanol	Eyes - Mild irritant	Rabbit	-	50 mg	-
	Skin - Mild irritant	Rabbit	-	500 mg	-
Formaldehyde, solution	Eyes - Severe irritant	Rabbit	-	24 hours 750 ug	-
	Eyes - Severe irritant	Rabbit	-	750 ug	-
	Skin - Moderate irritant	Rabbit	-	24 hours 50 mg	-
	Skin - Severe irritant	Rabbit	-	24 hours 2 mg	-

### Sensitiser

**Conclusion/Summary** : Not available.

## SECTION 11: Toxicological information

### Mutagenicity

**Conclusion/Summary** : Not available.

### Carcinogenicity

**Conclusion/Summary** : Not available.

### Reproductive toxicity

**Conclusion/Summary** : Not available.

### Teratogenicity

**Conclusion/Summary** : Not available.

**Information on likely routes of exposure** :

FITC Mouse anti-human CD14	Not available.
PE Mouse anti-human CD64	Not available.
PerCP Mouse anti-human CD45	Not available.
APC Mouse anti-human HLA-DR	Not available.
Lysing solution	Routes of entry anticipated: Oral, Dermal, Inhalation.

### Potential acute health effects

<b>Inhalation</b>	:	FITC Mouse anti-human CD14	No known significant effects or critical hazards.
		PE Mouse anti-human CD64	No known significant effects or critical hazards.
		PerCP Mouse anti-human CD45	No known significant effects or critical hazards.
		APC Mouse anti-human HLA-DR	No known significant effects or critical hazards.
		Lysing solution	May cause respiratory irritation.
<b>Ingestion</b>	:	FITC Mouse anti-human CD14	No known significant effects or critical hazards.
		PE Mouse anti-human CD64	No known significant effects or critical hazards.
		PerCP Mouse anti-human CD45	No known significant effects or critical hazards.
		APC Mouse anti-human HLA-DR	No known significant effects or critical hazards.
		Lysing solution	Harmful if swallowed.
<b>Skin contact</b>	:	FITC Mouse anti-human CD14	No known significant effects or critical hazards.
		PE Mouse anti-human CD64	No known significant effects or critical hazards.
		PerCP Mouse anti-human CD45	No known significant effects or critical hazards.
		APC Mouse anti-human HLA-DR	No known significant effects or critical hazards.
		Lysing solution	Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction.
<b>Eye contact</b>	:	FITC Mouse anti-human CD14	No known significant effects or critical hazards.
		PE Mouse anti-human CD64	No known significant effects or critical hazards.
		PerCP Mouse anti-human CD45	No known significant effects or critical hazards.
		APC Mouse anti-human HLA-DR	No known significant effects or critical hazards.
		Lysing solution	Causes serious eye irritation.

### Symptoms related to the physical, chemical and toxicological characteristics

## SECTION 11: Toxicological information

<b>Inhalation</b>	: FITC Mouse anti-human CD14	No specific data.
	PE Mouse anti-human CD64	No specific data.
	PerCP Mouse anti-human CD45	No specific data.
	APC Mouse anti-human HLA-DR	No specific data.
	Lysing solution	Adverse symptoms may include the following: respiratory tract irritation coughing
	<b>Ingestion</b>	: FITC Mouse anti-human CD14
PE Mouse anti-human CD64		No specific data.
PerCP Mouse anti-human CD45		No specific data.
APC Mouse anti-human HLA-DR		No specific data.
Lysing solution		No specific data.
<b>Skin contact</b>		: FITC Mouse anti-human CD14
	PE Mouse anti-human CD64	No specific data.
	PerCP Mouse anti-human CD45	No specific data.
	APC Mouse anti-human HLA-DR	No specific data.
	Lysing solution	Adverse symptoms may include the following: irritation redness
	<b>Eye contact</b>	: FITC Mouse anti-human CD14
PE Mouse anti-human CD64		No specific data.
PerCP Mouse anti-human CD45		No specific data.
APC Mouse anti-human HLA-DR		No specific data.
Lysing solution		Adverse symptoms may include the following: pain or irritation watering redness

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

### Potential chronic health effects



## SECTION 11: Toxicological information

<b>General</b>	: FITC Mouse anti-human CD14	No known significant effects or critical hazards.
	PE Mouse anti-human CD64	No known significant effects or critical hazards.
	PerCP Mouse anti-human CD45	No known significant effects or critical hazards.
	APC Mouse anti-human HLA-DR	No known significant effects or critical hazards.
	Lysing solution	Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
<b>Carcinogenicity</b>	: FITC Mouse anti-human CD14	No known significant effects or critical hazards.
	PE Mouse anti-human CD64	No known significant effects or critical hazards.
	PerCP Mouse anti-human CD45	No known significant effects or critical hazards.
	APC Mouse anti-human HLA-DR	No known significant effects or critical hazards.
	Lysing solution	May cause cancer. Risk of cancer depends on duration and level of exposure.
<b>Mutagenicity</b>	: FITC Mouse anti-human CD14	No known significant effects or critical hazards.
	PE Mouse anti-human CD64	No known significant effects or critical hazards.
	PerCP Mouse anti-human CD45	No known significant effects or critical hazards.
	APC Mouse anti-human HLA-DR	No known significant effects or critical hazards.
	Lysing solution	Suspected of causing genetic defects.
<b>Teratogenicity</b>	: FITC Mouse anti-human CD14	No known significant effects or critical hazards.
	PE Mouse anti-human CD64	No known significant effects or critical hazards.
	PerCP Mouse anti-human CD45	No known significant effects or critical hazards.
	APC Mouse anti-human HLA-DR	No known significant effects or critical hazards.
	Lysing solution	No known significant effects or critical hazards.
<b>Developmental effects</b>	: FITC Mouse anti-human CD14	No known significant effects or critical hazards.
	PE Mouse anti-human CD64	No known significant effects or critical hazards.
	PerCP Mouse anti-human CD45	No known significant effects or critical hazards.
	APC Mouse anti-human HLA-DR	No known significant effects or critical hazards.
	Lysing solution	No known significant effects or critical hazards.
<b>Fertility effects</b>	: FITC Mouse anti-human CD14	No known significant effects or critical hazards.
	PE Mouse anti-human CD64	No known significant effects or critical hazards.
	PerCP Mouse anti-human CD45	No known significant effects or critical hazards.
	APC Mouse anti-human HLA-DR	No known significant effects or critical hazards.
	Lysing solution	No known significant effects or critical hazards.

## SECTION 12: Ecological information

### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
<b>FITC Mouse anti-human CD14</b> Sodium azide	Acute EC50 0.348 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 6.4 mg/l Fresh water	Crustaceans - Simocephalus serrulatus - Larvae	48 hours
	Acute EC50 4.2 mg/l Fresh water	Daphnia - Daphnia pulex - Larvae	48 hours
	Acute LC50 0.68 mg/l Fresh water	Fish - Lepomis macrochirus	96 hours
	Chronic NOEC 5600 µg/l Marine water	Algae - Macrocyctis pyrifera	96 hours
<b>PE Mouse anti-human CD64</b> Sodium azide	Acute EC50 0.348 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 6.4 mg/l Fresh water	Crustaceans - Simocephalus serrulatus - Larvae	48 hours
	Acute EC50 4.2 mg/l Fresh water	Daphnia - Daphnia pulex - Larvae	48 hours
	Acute LC50 0.68 mg/l Fresh water	Fish - Lepomis macrochirus	96 hours
	Chronic NOEC 5600 µg/l Marine water	Algae - Macrocyctis pyrifera	96 hours
<b>PerCP Mouse anti-human CD45</b> Sodium azide	Acute EC50 0.348 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 6.4 mg/l Fresh water	Crustaceans - Simocephalus serrulatus - Larvae	48 hours
	Acute EC50 4.2 mg/l Fresh water	Daphnia - Daphnia pulex - Larvae	48 hours
	Acute LC50 0.68 mg/l Fresh water	Fish - Lepomis macrochirus	96 hours
	Chronic NOEC 5600 µg/l Marine water	Algae - Macrocyctis pyrifera	96 hours
<b>APC Mouse anti-human HLA-DR</b> Sodium azide	Acute EC50 0.348 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 6.4 mg/l Fresh water	Crustaceans - Simocephalus serrulatus - Larvae	48 hours
	Acute EC50 4.2 mg/l Fresh water	Daphnia - Daphnia pulex - Larvae	48 hours
	Acute LC50 0.68 mg/l Fresh water	Fish - Lepomis macrochirus	96 hours
	Chronic NOEC 5600 µg/l Marine water	Algae - Macrocyctis pyrifera	96 hours
<b>Lysing solution</b> 2,2'-oxybisethanol Formaldehyde, solution	Acute LC50 75200000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Acute EC50 3.48 mg/l Fresh water	Algae - Desmodesmus subspicatus	72 hours
	Acute EC50 3.05 mg/l Marine water	Algae - Isochrysis galbana - Exponential growth phase	96 hours
	Acute EC50 12.98 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute EC50 5800 µg/l Fresh water	Daphnia - Daphnia pulex - Neonate	48 hours
	Acute LC50 1.41 ppm Fresh water Chronic NOEC 953.9 ppm Fresh water	Fish - Oncorhynchus mykiss Fish - Oncorhynchus tshawytscha - Egg	96 hours 43 days

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## SECTION 12: Ecological information

### 12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
<b>Lysing solution</b> Formaldehyde, solution	OECD 301A Ready Biodegradability- DOC Die-Away Test	99 % - Readily - 28 days	-	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
<b>Lysing solution</b> Formaldehyde, solution	-	-	Readily

### 12.3 Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
<b>Lysing solution</b> 2,2' -oxybisethanol Formaldehyde, solution	-1.98 0.35	100 -	low low

### 12.4 Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Mobility** : Not available.

### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**12.6 Other adverse effects** : No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Hazardous waste** : The classification of the product may meet the criteria for a hazardous waste.

#### Packaging

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions** : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

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## SECTION 14: Transport information

	ADR/RID	IMDG	IATA
14.1 UN number	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	No.	No.	No.

### Additional information

**14.6 Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Transport in bulk according to IMO instruments** : Not available.

## SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Ingredient name	EC number	CAS number	Restriction
Lysing solution Lysing solution formaldehyde	200-001-8	50-00-0	28 28, 72

**Label** : FITC Mouse anti-human CD14 Not applicable.  
 PE Mouse anti-human CD64 Not applicable.  
 PerCP Mouse anti-human CD45 Not applicable.  
 APC Mouse anti-human HLA-DR Not applicable.  
 Lysing solution Restricted to professional users.

Other EU regulations

Ozone depleting substances (1005/2009/EU)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

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## SECTION 15: Regulatory information

Not listed.

### Seveso Directive

This product is not controlled under the Seveso Directive.

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

#### Montreal Protocol

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

#### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### Inventory list

<b>Australia</b>	: Not determined.
<b>Canada</b>	: Not determined.
<b>China</b>	: All components are listed or exempted.
<b>Europe</b>	: Not determined.
<b>Japan</b>	: <b>Japan inventory (ENCS)</b> : Not determined. <b>Japan inventory (ISHL)</b> : Not determined.
<b>New Zealand</b>	: Not determined.
<b>Philippines</b>	: Not determined.
<b>Republic of Korea</b>	: Not determined.
<b>Taiwan</b>	: All components are listed or exempted.
<b>Thailand</b>	: Not determined.
<b>Turkey</b>	: Not determined.
<b>United States</b>	: All components are active or exempted.
<b>Viet Nam</b>	: Not determined.

**15.2 Chemical safety assessment** : This product contains substances for which Chemical Safety Assessments might still be required.

## SECTION 16: Other information

✔ Indicates information that has changed from previously issued version.

<b>Abbreviations and acronyms</b>	: ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement N/A = Not available PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number vPvB = Very Persistent and Very Bioaccumulative
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[Procedure used to derive the classification according to Regulation \(EC\) No. 1272/2008 \[CLP/GHS\]](#)

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## SECTION 16: Other information

Classification	Justification
<b>FITC Mouse anti-human CD14</b> Aquatic Chronic 3, H412	Calculation method
<b>PE Mouse anti-human CD64</b> Aquatic Chronic 3, H412	Calculation method
<b>PerCP Mouse anti-human CD45</b> Aquatic Chronic 3, H412	Calculation method
<b>APC Mouse anti-human HLA-DR</b> Aquatic Chronic 3, H412	Calculation method
<b>Lysing solution</b> Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Muta. 2, H341 Carc. 1B, H350 STOT SE 3, H335	Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method

### Full text of abbreviated H statements

<p><b>FITC Mouse anti-human CD14</b> H300 H400 H410 H412 EUH032</p> <p><b>PE Mouse anti-human CD64</b> H300 H400 H410 H412 EUH032</p> <p><b>PerCP Mouse anti-human CD45</b> H300 H400 H410 H412 EUH032</p> <p><b>APC Mouse anti-human HLA-DR</b> H300 H400 H410 H412 EUH032</p> <p><b>Lysing solution</b> H301 H302 H311 H312 H314 H315 H317 H318</p>	<p>Fatal if swallowed. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects. Contact with acids liberates very toxic gas.</p> <p>Fatal if swallowed. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects. Contact with acids liberates very toxic gas.</p> <p>Fatal if swallowed. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects. Contact with acids liberates very toxic gas.</p> <p>Fatal if swallowed. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects. Contact with acids liberates very toxic gas.</p> <p>Toxic if swallowed. Harmful if swallowed. Toxic in contact with skin. Harmful in contact with skin. Causes severe skin burns and eye damage. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage.</p>
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## SECTION 16: Other information

H319  
H331  
H335  
H341  
H350

Causes serious eye irritation.  
Toxic if inhaled.  
May cause respiratory irritation.  
Suspected of causing genetic defects.  
May cause cancer.

### [Full text of classifications \[CLP/GHS\]](#)

#### **FITC Mouse anti-human CD14**

Acute Tox. 2  
Aquatic Acute 1  
Aquatic Chronic 1  
Aquatic Chronic 3

ACUTE TOXICITY - Category 2  
SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1  
LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1  
LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3

#### **PE Mouse anti-human CD64**

Acute Tox. 2  
Aquatic Acute 1  
Aquatic Chronic 1  
Aquatic Chronic 3

ACUTE TOXICITY - Category 2  
SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1  
LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1  
LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3

#### **PerCP Mouse anti-human CD45**

Acute Tox. 2  
Aquatic Acute 1  
Aquatic Chronic 1  
Aquatic Chronic 3

ACUTE TOXICITY - Category 2  
SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1  
LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1  
LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3

#### **APC Mouse anti-human HLA-DR**

Acute Tox. 2  
Aquatic Acute 1  
Aquatic Chronic 1  
Aquatic Chronic 3

ACUTE TOXICITY - Category 2  
SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1  
LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1  
LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3

#### **Lysing solution**

Acute Tox. 3  
Acute Tox. 4  
Carc. 1B  
Eye Dam. 1  
Eye Irrit. 2  
Muta. 2  
Skin Corr. 1B  
Skin Irrit. 2  
Skin Sens. 1  
STOT SE 3

ACUTE TOXICITY - Category 3  
ACUTE TOXICITY - Category 4  
CARCINOGENICITY - Category 1B  
SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1  
SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2  
GERM CELL MUTAGENICITY - Category 2  
SKIN CORROSION/IRRITATION - Category 1B  
SKIN CORROSION/IRRITATION - Category 2  
SKIN SENSITISATION - Category 1  
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3

**Date of issue/ Date of revision** : 10/08/2020

**Date of previous issue** : No previous validation

**Version** : 1

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