Conforms to HPR 2015

SAFETY DATA SHEET

Agilent Technologies

Antibodies Reagent

Section 1. Identification

Product identifier : Antibodies Reagent

Part no. : 8720001, 8720002, 8720003, 8720004, 8720006, 8720007, 8720011, 8720012, 8720013, 8720014, 8720015, 8720016, 8720017, 8720018, 8720022, 8720028, 8720029, 8720036, 8720038, 8720039, 8720041, 8720045, 8720064, 8720070, 8720084, 8720100, 8720123, 8720130, 8720131, 8720144, 8720197, 8720224, 8720225, 8720226, 8720227, 8720228, 8720230, 8720232, 8720251, 8720251, 8720254, 8720255, 8720256, 8720257, 8730002, 8730003, 8730004, 8730006, 8730007, 8730008, 8730010, 8730011, 8730014, 8730015, 8730016, 8730022, 8730032, 8730036, 8730039, 8730045, 8730049, 8730053, 8730054, 8730056, 8730057, 8730060, 8730064, 8730070, 8730071, 8730072, 8730075, 8730078, 8730081, 8730084, 8730100, 8730101, 8730105, 8730106, 8730108, 8730110, 8730118, 8730119, 8730123, 8730128, 8730130, 8730131, 8730136, 8730140, 8730142, 8730143, 8730144, 8730150, 8730180, 8730185, 8730190, 8730204, 8730217, 8730222, 8730229, 8730232, 8730235, 8730248, 8730249, 8730252, 8730253, 8730255, 8730255, 8730258, 8730281, 8730292, 8730546, 8730718, 8730836, 8730867, 8730869, 8730870, 8730907, 8731057, 8730569, 8730155, 8730504, 8730935, 8730550, 8730809, 8720978, 8730978, 8720983, 8730983, 8721000, 8731000, 8721002, 8731002, 8720140

Material uses : For research use only. Not for use in diagnostic procedures (RUO).

8720001 FITC Mouse anti-human CD3
8720002 PE Mouse anti-human CD8
8720003 APC Mouse anti-human CD4
8720004 PerCP anti-human CD45
8720006 PE Mouse anti-human CD56
8720007 APC Mouse anti-human CD19
8720011 FITC Mouse anti-human CD4
8720012 CD4/CD8/CD3 antibody kit
8720013 PerCP-Cyanine 5.5 Mouse anti-human CD3
8720014 FITC Mouse anti-human CD45
8720015 PE-Cy7 Mouse anti-human CD19
8720016 FITC Mouse anti-human CD19
8720017 PE Mouse anti-human CD19
8720018 PE Mouse anti-human CD1a
8720022 FITC Mouse anti-human CD2
8720028 PE Mouse anti-human CD4
8720029 PE-Cy7 Mouse anti-human CD4
8720036 PE Mouse anti-human CD7
8720038 FITC Mouse anti-human CD8
8720039 APC Mouse anti-human CD8
8720041 PE-Cy7 Mouse anti-human CD8
8720045 APC Mouse anti-human CD10
8720064 FITC Mouse anti-human CD16
8720070 FITC Mouse anti-human CD20
8720084 PE Mouse anti-human CD25
8720100 PE Mouse anti-human CD34
8720123 PE Mouse anti-human CD79a
8720130 PE Mouse anti-human CD117
8720131 APC Mouse anti-human CD117
8720144 APC Mouse anti-human HLA-DR
8720197 FITC HLA-B27/PerCP CD3 antibody Kit
8720224 CD3/CD16+CD56 antibody Kit
8720225 PE Mouse anti-human CD183 (CXCR3)
8720226 PerCP-Cyanine 5.5 Mouse anti-hCD186
8720227 PE/Cy7 Mouse anti-human CD279 (PD1)
8720228 APC Mouse anti-human CD185 (CXCR5)

Section 1. Identification

8720230	APC Mouse anti-human CD5
8720232	APC Mouse anti-human CD33
8720251	CD3/CD16+56/CD45/CD4/CD19/CD8 kit
8720251	CD3/CD16+CD56/CD45/CD4/CD19/CD8 Kit
8720254	FITC Mouse anti-human TDT
8720255	PE Mouse anti-human CD22
8720256	FITC Mouse anti-human Ig LT chain kappa
8720257	PE Mouse anti-human Ig LT chain lambda
8730002	PE Mouse anti-human CD8
8730003	APC Mouse anti-human CD4
8730004	PerCP Mouse anti-human CD45
8730006	PE Mouse anti-human CD56
8730007	APC Mouse anti-human CD19
8730008	CD3/CD8/CD45/CD4 antibody kit
8730010	PerCP Mouse anti-human CD3
8730011	FITC Mouse anti-human CD4
8730014	FITC Mouse anti-human CD45
8730015	PE-Cy7 Mouse anti-human CD19
8730016	FITC Mouse anti-human CD19
8730022	FITC Mouse anti-human CD2
8730032	APC Mouse anti-human CD5
8730036	PE Mouse anti-human CD7
8730039	APC Mouse anti-human CD8
8730045	APC Mouse anti-human CD10
8730049	APC Mouse anti-human CD11b
8730053	PE Mouse anti-human CD13
8730054	PE-Cy7 Mouse anti-human CD13
8730056	PE Mouse anti-human CD14
8730057	APC Mouse anti-human CD14
8730060	FITC Mouse anti-human CD15
8730064	FITC Mouse anti-human CD16
8730070	FITC Mouse anti-human CD20
8730071	PE Mouse anti-human CD20
8730072	APC Mouse anti-human CD20
8730075	PE Mouse anti-human CD22
8730078	PE Mouse anti-human CD23
8730081	PE Mouse anti-human CD235a
8730084	PE Mouse anti-human CD25
8730100	PE Mouse anti-human CD34
8730101	APC Mouse anti-human CD34
8730105	FITC Mouse anti-human CD36
8730106	PE Mouse anti-human CD36
8730108	FITC Mouse anti-human CD38
8730110	APC Mouse anti-human CD38
8730118	FITC Mouse anti-human CD64
8730119	PE Mouse anti-human CD64
8730123	PE Mouse anti-human CD79a
8730128	FITC Mouse anti-human CD103
8730130	PE Mouse anti-human CD117
8730131	APC Mouse anti-human CD117
8730136	PE Mouse anti-human CD123
8730140	APC Mouse anti-human CD138
8730142	FITC Mouse anti-human HLA-DR
8730143	PE Mouse anti-human HLA-DR
8730144	APC Mouse anti-human HLA-DR
8730150	FITC Mouse anti-human sIgM
8730180	PE Mouse anti-human CD27
8730185	FITC Mouse anti-human CD41a
8730190	PE Mouse anti-human CD55
8730204	PC5 Mouse anti-human CD11b
8730217	APC-Cyanine 7 Mouse anti-human CD3
8730222	PE Mouse anti-human CD3

Section 1. Identification

8730229 PE-Dazzle594 Mouse anti-human CD45
8730232 APC Mouse anti-human CD33
8730235 PE-Cy5 Mouse anti-human CD56
8730248 APC Mouse anti-human CD61
8730249 FITC Mouse anti-human CD15
8730252 APC Mouse anti-human CD3
8730253 PE Mouse anti-human CD9
8730255 PE Mouse anti-human CD22
8730255 PE Mouse anti-human CD22
8730258 FITC Mouse anti-human CD99
8730281 PE-Cy7 Mouse anti-human CD28
8730292 APC Mouse anti-human CD105
8730546 PE Mouse anti-human CD235a
8730718 PE Mouse anti-human CD44
8730836 PE-Cy7 Mouse anti-human CD73
8730867 APC Mouse anti-human CD81
8730869 PE Mouse anti-human CD81
8730870 PE-Cy7 Mouse anti-human CD81
8730907 APC-Cyanine 7 Mouse anti-human CD90
8731057 PE-Cy5 Mouse anti-human CD56
8730569 PE-Cy7 Mouse anti-human CD27
8730155 FITC Mouse anti-human TCR γ/δ
8730504 APC Mouse anti-human CD197 (CCR7)
8730935 FITC Mouse anti-human IgM
8730550 APC Mouse anti-human CD24
8730809 PE Mouse anti-human CD62L
8720978 PE Mouse anti-human CD279 (PD1)
8730978 PE Mouse anti-human CD279 (PD1)
8720983 APC Mouse anti-human CD279 (PD1)
8730983 APC Mouse anti-human CD279 (PD1)
8721000 PE Mouse anti-human CD274 (PD-L1)
8731000 PE Mouse anti-human CD274 (PD-L1)
8721002 APC Mouse anti-human CD274 (PD-L1)
8731002 APC Mouse anti-human CD274 (PD-L1)
8720140 APC Mouse anti-human CD138

Supplier/Manufacturer : Agilent Technologies, Inc.
5301 Stevens Creek Blvd
Santa Clara, CA 95051, USA
800-227-9770

Emergency telephone number (with hours of operation) : CHEMTREC®: 1-800-424-9300

Section 2. Hazard identification

Classification of the substance or mixture

Not classified.

GHS label elements

Signal word : No signal word.

Hazard statements : No known significant effects or critical hazards.

Precautionary statements

Prevention : Not applicable.

Response : Not applicable.

Storage : Not applicable.

Section 2. Hazard identification

Disposal : Not applicable.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

There are no 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.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-aid measures

Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion : Wash out mouth with water. 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. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products : No specific data.

Special protective actions for fire-fighters : 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.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : 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 spilled material. Put on appropriate personal protective equipment.

For emergency responders : If specialized 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".

Environmental precautions : Avoid dispersal of spilled 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).

Methods and materials for containment and cleaning up

Methods for cleaning up : 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.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene : 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.

Section 7. Handling and storage

Conditions for safe storage, including any incompatibilities : 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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

None.

Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

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.

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. 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.

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.

Section 9. Physical and chemical properties

Appearance

Physical state : Liquid.

Color : Not available.

Odor : Not available.

Odor threshold : Not available.

pH : Not available.

Melting point : 0°C (32°F)

Boiling point : 100°C (212°F)

Flash point : Not available.

Evaporation rate : Not available.

Flammability (solid, gas) : Not applicable.

Lower and upper explosive (flammable) limits : Not available.

Vapor pressure : Not available.

Vapor density : Not available.

Relative density : Not available.

Solubility : Soluble in the following materials: cold water and hot water.

Partition coefficient: n-octanol/water : Not available.

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Viscosity : Not available.

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Incompatible materials : May react or be incompatible with oxidizing materials.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Not available.

Irritation/Corrosion

Not available.

Sensitization

Section 11. Toxicological information

Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

Delayed and immediate effects and also 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

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

Section 11. Toxicological information

Numerical measures of toxicity

Acute toxicity estimates

N/A

Section 12. Ecological information

Toxicity

Not available.

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Soil/water partition coefficient (K_{OC}) : Not available.

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

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized 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. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

TDG / IMDG / IATA : Not regulated.

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.

Transport in bulk according to IMO instruments : Not available.

Section 15. Regulatory information

Canadian lists

Canadian NPRI : None of the components are listed.

CEPA Toxic substances : None of the components are listed.

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

Australia : Not determined.

Canada : Not determined.

China : All components are listed or exempted.

Europe : All components are listed or exempted.

Japan : **Japan inventory (ENCS)**: Not determined.
Japan inventory (ISHL): Not determined.

New Zealand : Not determined.

Philippines : Not determined.

Republic of Korea : Not determined.

Taiwan : All components are listed or exempted.

Thailand : Not determined.

Turkey : Not determined.

United States : All components are active or exempted.

Viet Nam : Not determined.

Section 16. Other information

History

Date of issue/Date of revision : 10/07/2020

Date of previous issue : 08/11/2020

Version : 1.2

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HPR = Hazardous Products Regulations
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

Section 16. Other information

N/A = Not available
UN = United Nations

Procedure used to derive the classification

Classification	Justification
Not classified.	

References : Not available.

Indicates information that has changed from previously issued version.

Notice to reader

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