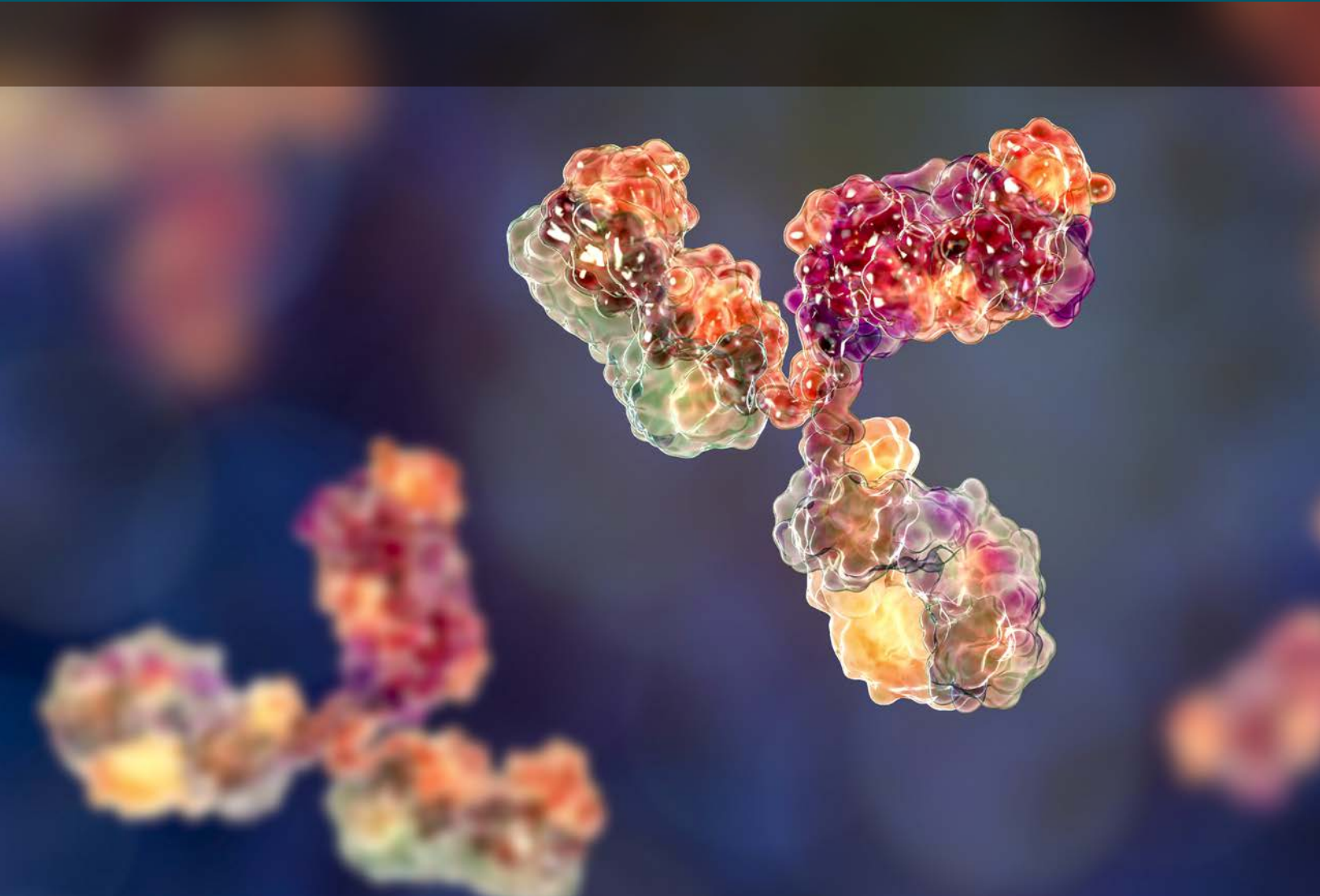


Catalog

# Bulk Antibodies and Assay Solutions



# Table of Contents

<b>Introduction</b>	3
A One-Stop Shop for Assay Manufacturers	5
<b>Custom Antibodies</b>	
Contract Immunization for Bulk Antisera	6
Antibody Engineering and Bulk Production	8
<b>Bulk Antibodies</b>	
Agilent Dako Bulk Polyclonal Antibodies	10
Agilent Dako Bulk Monoclonal Antibodies	14
<b>Other Assay Components</b>	
Beads, Streptavidin, and Detection Reagents	16
<b>Assay Development</b>	
Custom Assay Development and Kit Production	22
<b>Ordering Information</b>	
Agilent Dako Bulk Antibodies and Ancillaries	26
Agilent Dako Bulk Polyclonal Antibodies	27
Agilent Dako Bulk Monoclonal Antibodies	30
Agilent Dako Ancillaries	31
Beads, Streptavidin, and Detection Reagents	32
Magnetic Beads	33
Latex Beads	34
Streptavidin	36
Phycobiliproteins	37
Phycobiliprotein Conjugates	39



## Your Trusted Partner in Assay Development and Production, for Decades

With over 50 years' experience, the Agilent business in bulk antibodies and assay solutions has built loyal partnerships worldwide with hundreds of in vitro diagnostic, biotechnology, and pharmaceutical companies, ranging from start-ups to global-leading manufacturers.

### We give you “peace of mind”

We understand how serious a commitment is for choosing a raw material in an assay formula in such a highly regulated industry. Therefore, reliability is our cornerstone to earn trust from our partners worldwide. We are always prepared to support long-term business from the beginning of a project, by providing products with high traceability, consistent performance, and high capacity.

### We lead innovations with high-profile products and services

Our bulk antibodies and assay solutions have a strong reputation for high performance. We provide antibodies and other assay components that can help our partners produce assays with high accuracy, reproducibility and sensitivity. Additionally, we collaborate with our partners to develop customized assays that are dedicated and optimized for their specific applications.

### Scaling up with Agilent

Agilent is committed to building sustainable partnerships. We provide antibodies, beads and other raw materials at a high capacity to help our partners scale up assay production.



### Scientific support – more than just selling raw materials

Our scientific support team consists of experienced scientists who are dedicated to troubleshooting and providing suggestions in assay development. As our partner, you will have premium access to our scientific support in your assay development process beyond just raw material supply. The team is always ready to collaborate with you on the next exciting project.

### We adhere to uncompromising quality standards

At Agilent, we have a strong commitment to quality, as we believe investment in quality management will create long-term value for both ourselves and our partners. Recognition of this commitment to our products and services has led to our qualification as a preferred supplier by many of the leading manufacturers of the global IVD market.

#### Animal welfare

All protocols meet or exceed the strict animal welfare standards laid out by the Danish Animal Experiments Inspectorate.

### We strive for improving your experience

We continually optimize our global logistics network to provide secure and efficient product delivery and satisfying customer experience.

#### Batch supply agreement<sup>1</sup>

We have introduced a batch supply agreement in some countries, a measure that allows local partners to manage their inventories more flexibly while ensuring orders to be delivered on time when needed.

<sup>1</sup> Please inquire of your local Agilent representative regarding services available in your country.

## A one-stop shop for assay manufacturers



### Custom antibodies

- Contract immunization for bulk antisera
- Antibody engineering
  - Screening and selection
  - Antibody purification
  - Antibody formulation
  - Conjugation and labeling
  - Fragmentation
- Bulk custom antibody production

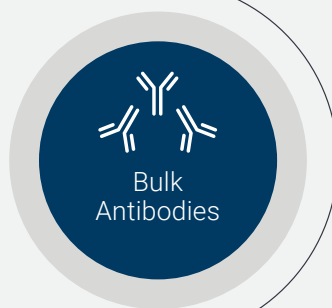
► See more on pages 6-9

### Bulk antibodies

- Agilent Dako bulk polyclonal antibodies
- Agilent Dako bulk monoclonal antibodies

► See more on pages 10-15

► Find products on pages 26-31



### Other assay components

- Controls and calibrators
- Buffers, substrates, and stabilizers
- Magnetic and latex beads
- Streptavidin and detection reagents
- Immunoparticles

► See more on pages 16-21

► Find products on pages 32-39

### Assay development

- Custom assay development
  - Feasibility study
  - Conjugation service
  - Assay validation
  - Registration service<sup>1</sup>
- Kit production

► See more on pages 22-25



## Let's talk about your needs

Agilent is your “one-stop shop” across the whole value chain of assay development and production. We can provide both high quality raw materials and professional services to meet your expectations.

Contact us via [rpsupport@agilent.com](mailto:rpsupport@agilent.com) to find out how we can help you.

<sup>1</sup> Registration service is subject to country regulations.

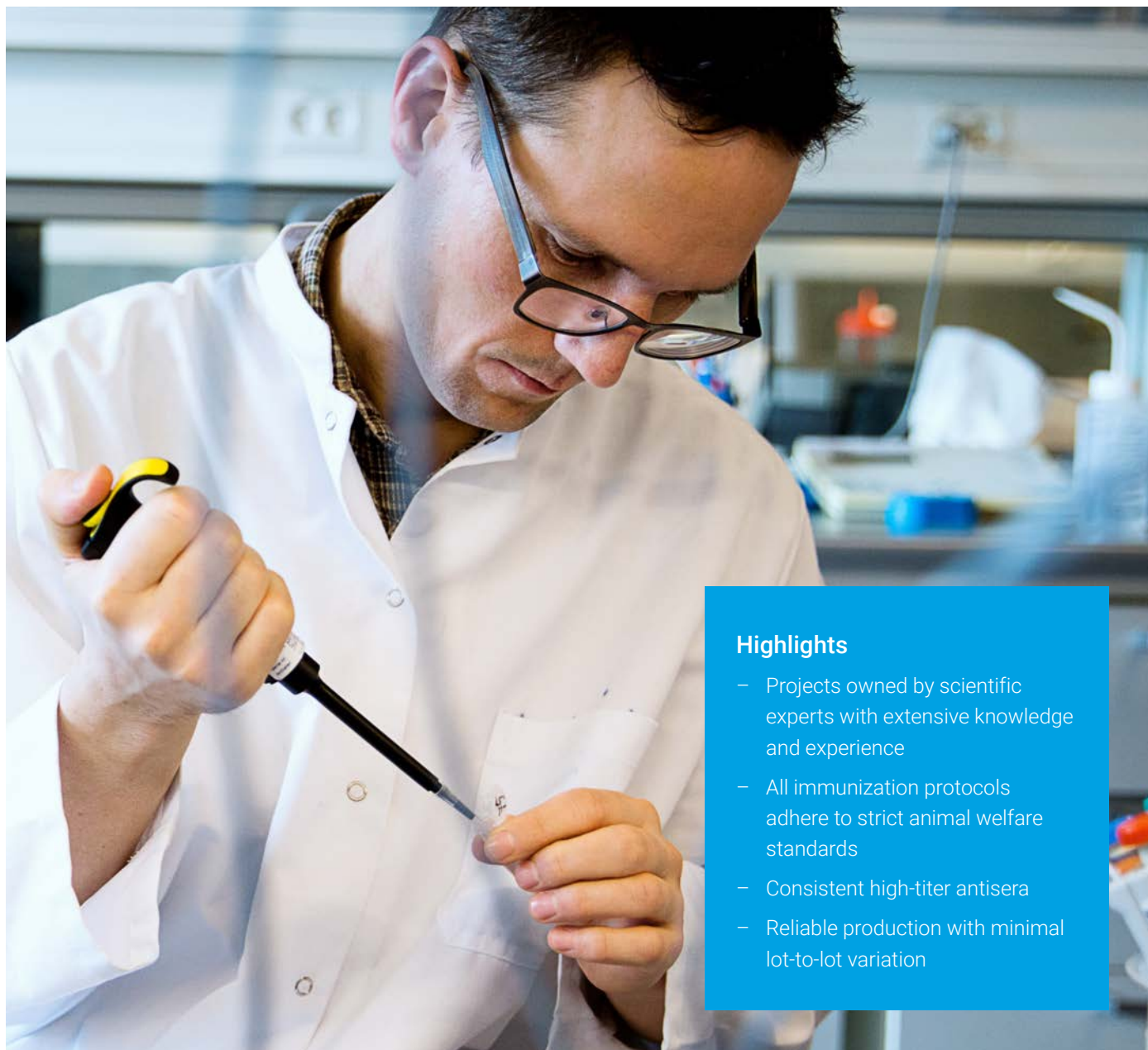




## Contract Immunization for Bulk Antisera

Enable your unique success with high quality

Leveraging on decades of experience and a legacy rabbit herd selectively bred over 50 years, we can provide you with high quality contract immunization services using your specified antigens.



### Highlights

- Projects owned by scientific experts with extensive knowledge and experience
- All immunization protocols adhere to strict animal welfare standards
- Consistent high-titer antisera
- Reliable production with minimal lot-to-lot variation



## How to start a typical contract immunization project

### Request

- An immunization request sent by customer via **rpsupport@agilent.com** or a local Agilent representative

### Preparation

- Non-disclosure agreement (NDA) signed
- Alignment of immunization strategy and expectations
- Antigen approved by Agilent veterinary board
- Feasibility assessment and protocol design

### Agreement

- Immunization protocol
- Timeline
- Pricing structure
- Deliverable format and standard

### Immunization

- Antigen acquired and validated by Agilent
- Immunization conducted as protocol defines
- Regular updates and communications

### Deliverable

- Periodical deliveries of bulk antisera according to the agreement
- [Optional] Immunoglobulin fraction format also available
- [Optional] Further antibody purification and engineering



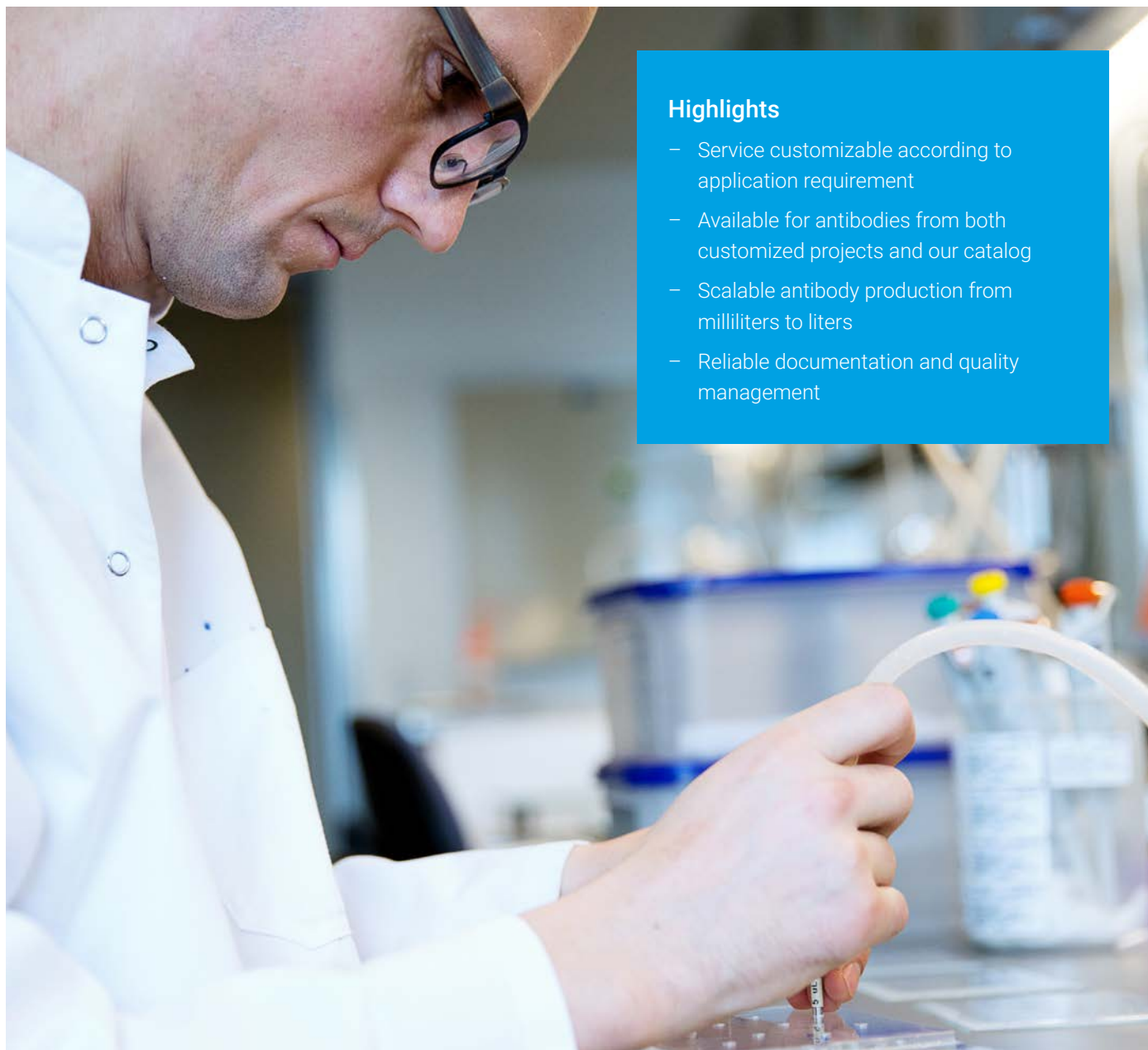
# Antibody Engineering and Bulk Production

## Tailored and scalable for your exact need

We offer a wide range of antibody engineering services to meet your needs, which apply to both your antibodies and antibodies available in our extensive portfolio. We are additionally able to help you to scale up customized antibodies by bulk production.

### Highlights

- Service customizable according to application requirement
- Available for antibodies from both customized projects and our catalog
- Scalable antibody production from milliliters to liters
- Reliable documentation and quality management







## Antibody engineering

### Screening and selection

If necessary, an ELISA screening can be conducted following immunization to select rabbits that produce high titer antiserum against the antigen.

### Antibody purification

Upon request, the antiserum can be further processed by using a combination of various columns including protein A, protein G, and antigen to achieve the level of purification appropriate for the customer's assay needs.

### Antibody formulation

The antibody concentration and formulation buffer parameters can be optimized to meet the partner's application requirement.

### Conjugation and labeling

Our scientific team is highly experienced with conjugation and labeling that apply to various particles including magnetic beads, latex beads, horseradish peroxidase (HRP), alkaline phosphatase (AP), biotin, streptavidin, fluorochromes, and dyes, as well as other particles requested by partners.

### Fragmentation

To avoid the background signal of unspecific binding to Fc region in a cellular environment, enzymatic processing can be undertaken to provide Fab and F(ab')<sub>2</sub> fragments.

### On-demand test and data generation

A series of tests can be conducted to assess the quality and quantity of the antisera or purified antibodies.

Titer, concentration, and purity of the antibodies are evaluated by ELISA, spectroscopy, and SDS-PAGE and size exclusion chromatography, respectively.

Additional functional assays can be implemented as necessary to address the needs for the partner's project.

### Bulk custom antibody production

By applying the same quality production standards to your antibodies as we do for our catalog antibody products, we can increase the yield of your antibodies to bulk level on a long-term basis, to ensure your continuous success.



# Agilent Dako Bulk Polyclonal Antibodies

## Differences made over a legacy of 50 years

Inheriting the Dako legacy, Agilent became one of the earliest companies to commercialize antibody products. We have developed and supplied a broad portfolio of premium quality bulk rabbit polyclonal antibodies for more than 50 years.

### Highlights

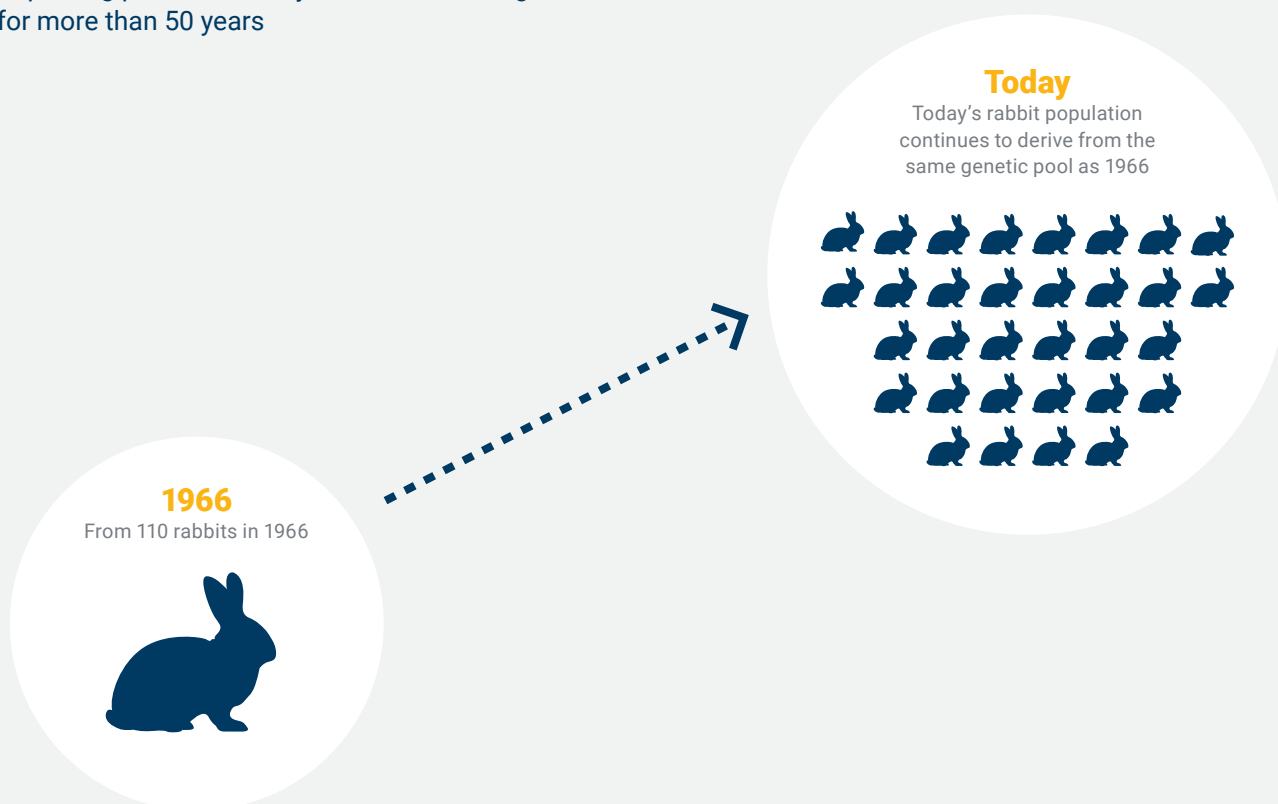
- Trusted by global leading assay manufacturers for decades
- Robust lot-to-lot consistency
- Cost-savings due to the high titer advantage
- Widely used in multiple assay platforms, especially turbidimetry

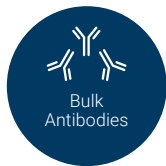
## Why rabbit polyclonal antibodies?

Polyclonal antibodies help amplify signal from target antigen with low expression levels by binding to more than one antibody molecule on multiple epitopes of the same antigen. They are also more tolerant to minor changes in the antigen such as polymorphism, heterogeneity of glycosylation, or slight denaturation, which is preferable in certain types of assays.

Human antibodies rarely react with rabbit immunoglobulins. Therefore, rabbit antibodies can be used without concerns of nonspecific binding, even in very sensitive techniques.

### Improving performance by selective breeding for more than 50 years





## The art of lot-to-lot consistency

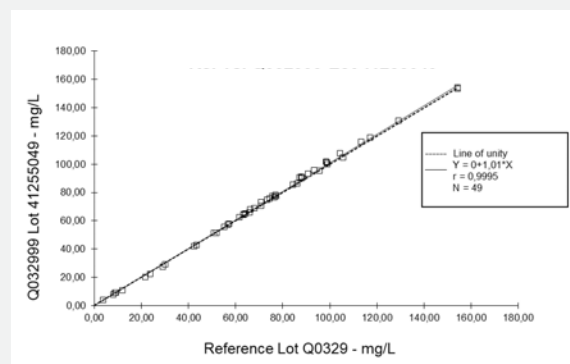
Consistency is vital to assay production. Traditionally, lot-to-lot variation has been a primary concern in polyclonal antibodies. However, Agilent Dako rabbit polyclonal antibodies have a longstanding reputation in lot-to-lot consistency.

For each product, our batches of polyclonal antibodies consist of a homogeneous pool of sera from a large number of rabbits. This method eliminates the presence of a single predominating atypical antibody.

Furthermore, we follow standard protocols for purification, removal of cross-reactivities and dilution-to-target titer for each lot, while applying strict quality control standards, to ensure performance consistency of every lot over decades.

### High correlation to the reference lot

An example of rabbit anti-human C-reactive protein (CRP) antibody product (Q0329)



The lot performance for each new batch is compared to a reference lot. The high correlation is always required for the product release.

## The titer advantage

The titer is used to indicate the concentration of antigen-specific antibodies and a high titer may also suggest a high dilution ratio. Therefore, the antigen-specific antibody concentration, i.e. the titer, is the primary factor when evaluating the cost-effectiveness of antibody products, rather than the simple protein concentration.

More than 50 years of selective breeding have made our rabbits highly responsive to immunization, and the antibody titers in their serum can reach dozens of times that of the original breed.<sup>1</sup>

## High specificity

Monospecificity of Agilent Dako polyclonal antibodies is obtained by the use of highly purified antigens for immunization. Traces of unwanted antibodies are removed by liquid or solid-phase adsorption.

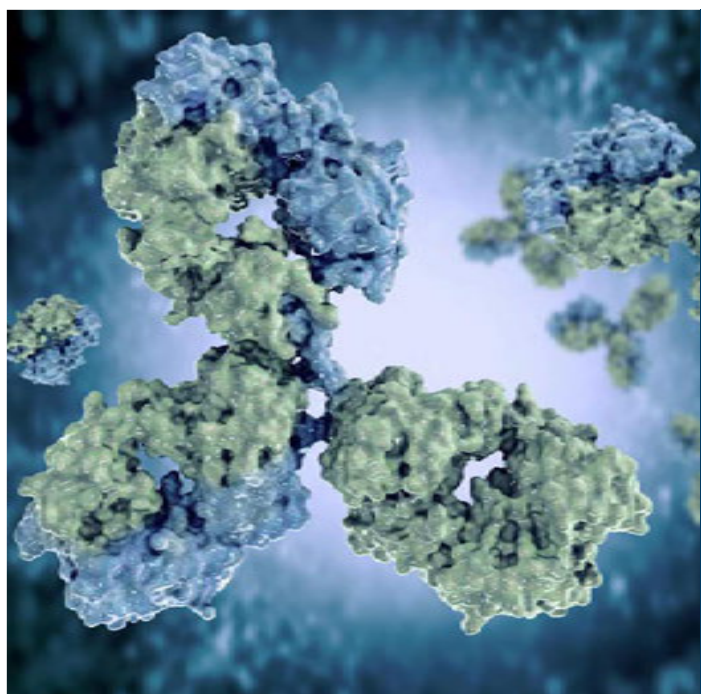
## High affinity

A selection of antibodies is prepared by immune-affinity chromatography, using antigens coupled to a solid matrix. The elution and adsorption techniques used guarantee antibodies with high affinity.

## Immunoglobulin fractions

Most Agilent Dako polyclonal antibodies are offered in the form of immunoglobulin fractions. The form is prepared by salting out and ion exchange chromatography. The elimination of unwanted proteins gives a stable product with reduced background in gel precipitation techniques, and minimal nonspecific reactions in other applications.

<sup>1</sup> Data generated from internal experiment.



### **Turbidimetry, nephelometry, and particle-enhanced turbidimetry (PET)**

We have been working for decades to help our global partners apply our bulk polyclonal antibodies to their assay platforms. As a result of a special focus in turbidimetry (including PET) and nephelometry techniques, many of the bulk polyclonal antibody products are optimized for these assay platforms and include application notes for a variety of popular instrument models on the market.

We also provide a selection of ancillary products, including latex beads, buffers, calibrators, and controls, which are compatible with the polyclonal antibodies to make high-quality assay kits.

### **Applications**

Agilent Dako bulk polyclonal antibodies are designed to be used for assay development and production with advantages in high specificity, high titer, and robust lot-to-lot consistency.

The antibodies are versatile in multiple assay platforms including turbidimetry, nephelometry, immunofixation, immunoblotting, as well as qualitative and quantitative gel precipitation techniques. Many products have also been validated in enzyme-linked immunosorbent assays (ELISA), chemiluminescence immunoassays (CLIA), and lateral flow techniques.

The antibodies have been widely used as raw materials by both IVD manufacturers and assay developers in the biopharma industry.

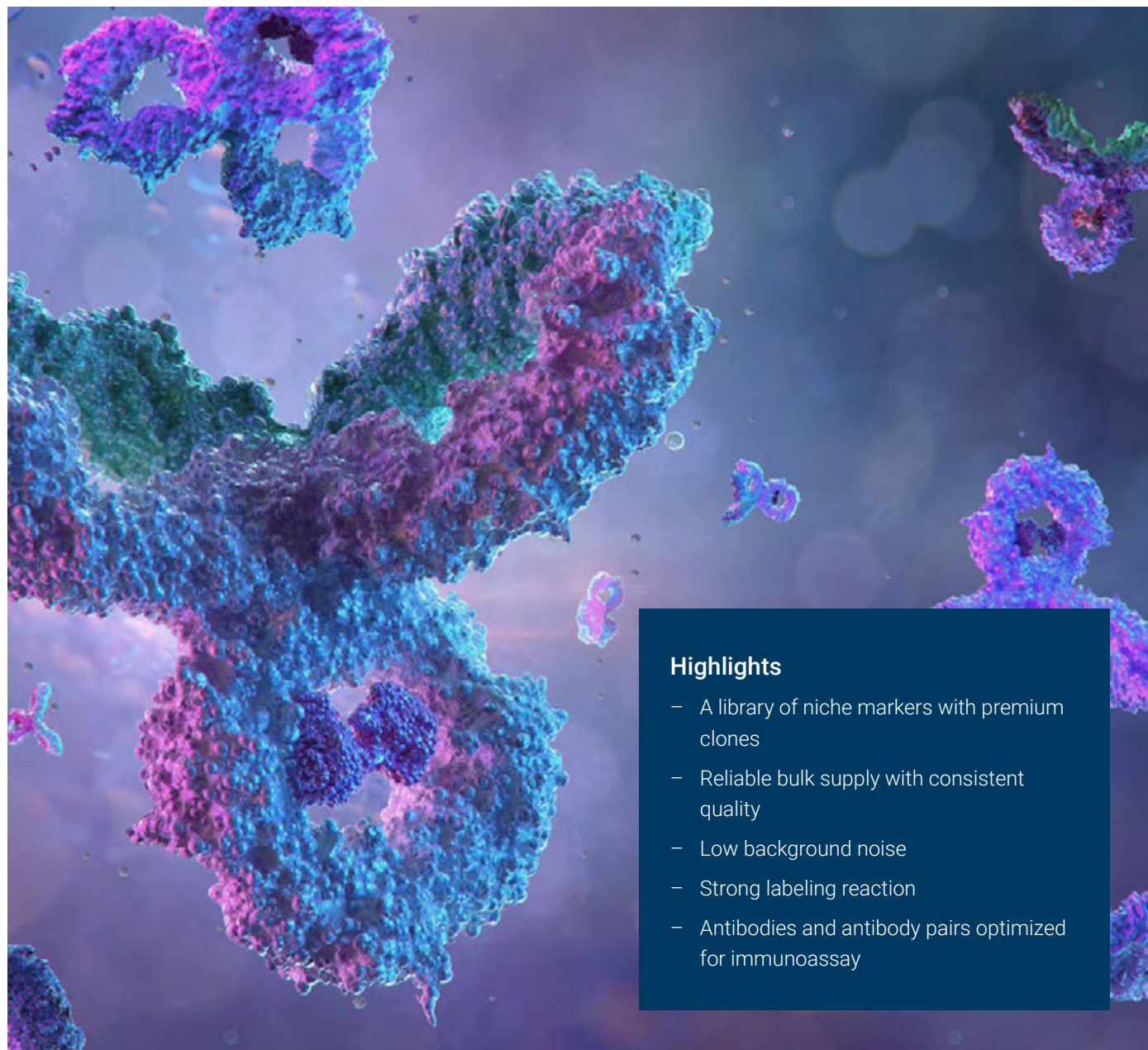




# Agilent Dako Bulk Monoclonal Antibodies

## A "gold mine" of niche biomarkers

We offer a broad selection of Agilent Dako bulk monoclonal antibodies, many of which are potential high-quality candidates for developing unique immunoassays that can help gain a competitive edge in niche markets.



### Highlights

- A library of niche markers with premium clones
- Reliable bulk supply with consistent quality
- Low background noise
- Strong labeling reaction
- Antibodies and antibody pairs optimized for immunoassay



### Bulk supply with high quality

Our monoclonal antibodies are also supplied in bulk as raw materials with the robust lot-to-lot consistency and premium quality that our partners have come to expect.

### Consistent and strong labeling reaction

The antibodies are extensively screened on relevant biological material to confirm that they possess the necessary specificity and give consistent and strong labeling reactions.

### Minimal background noise

Most of the mouse immunoglobulin molecules are directed against the target antigen as antibodies are produced in cell culture, which can massively reduce background noise.

### Recommended antibody pairs

We carefully select and test different antibody clone combinations to identify the ideal pairs for immunoassay platforms such as CLIA and ELISA. The recommended pairs are intended to support efficient assay development for our partners.

### Applications

Agilent Dako monoclonal antibodies are supplied in bulk format and suitable for multiple immunoassay platforms, including turbidimetry, ELISA, CLIA, and lateral flow assays.

Our partners from both IVD and biopharma industries have successfully used our monoclonal antibodies as raw materials in their assay development.



## Beads, Streptavidin, and Detection Reagents

### One shelf for multiple critical raw materials

Agilent provides assay manufacturers with many other critical raw materials, including magnetic and latex beads, streptavidin, phycobiliproteins, and phycobiliprotein conjugates. The products come with an advanced product design and manufacturing process, excellent lot-to-lot consistency, and a reliable and efficient supply chain within a global logistics network.

#### Highlights

- Uniform, mono dispersed beads manufactured reproducibly, to a high standard in an ISO 9001 facility, delivering quality products
- Customizable parts and supply agreements
- Available from small to multi-kilo batch sizes
- Scheduled deliveries and worldwide logistics ensure your beads are in the right place at the right time

## Magnetic beads

### Agilent LodeStars beads for precise magnetic bioseparations

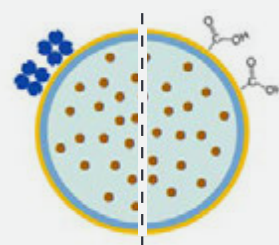
LodeStars beads are the Agilent proprietary high performance, superparamagnetic beads designed for biomagnetic separations. Based on patented technology and experience, they are a powerful magnetic bead platform for bioscience and life science applications.

With a unique internal architecture and a hydrophilic outer polymer surface, Agilent LodeStars beads offer reliable bead performance and are a fast, efficient, and affordable solution to many bioscience applications.

#### Key advantages

- Highly selective ligand capture due to controlled surface functionality
- Excellent assay performance due to low backgrounds
- Rapid magnetic response
- Monodispersed, highly uniform particles
- Batch-to-batch reproducibility due to controlled manufacture
- Suitable for automated platforms

#### Agilent LodeStars



LodeStars beads and LodeStars High Bind beads are both available in two chemistries: streptavidin 2.7  $\mu\text{m}$  and carboxyl 2.7  $\mu\text{m}$ .

#### Applications

LodeStars beads and LodeStars High Bind beads are suitable in applications such as:

- Immunoassays
- Molecular assays
- DNA/RNA capture
- Bio sample preparation, i.e. cell separation and Antibody-Drug Conjugate (ADC) synthesis and production
- Single-bead assays

#### Trusted answers

Today, hundreds of immunodiagnostic assays are manufactured with Agilent beads as key raw materials.

What's more, with over 20 years of experience in magnetic separation technologies, our highly trained engineers offer customers a profound understanding of beads architecture and surface coatings.





Other Assay  
Components

## Latex beads

### Agilent latex beads with high uniformity and reproducibility

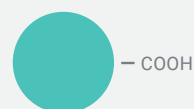
Agilent submicron uniform latex beads are a raw material component in many diagnostic tests. All products are produced by emulsion polymerization in the presence of surfactants.

Latex beads are available in a range of sizes, 50 to 1000nm, one non-functionalized and two carboxyl variants, and range of colors. Customization is also possible.

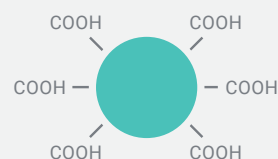
Latex Plain



Latex Carboxyl



Latex SuperCarboxyl



### Applications

Agilent latex beads are used in applications where their uniformity of size, mobility, consistency of surface properties, and versatility deliver advantages over other solid supports.

Latex has a higher binding capacity than alternatives such as membranes, wells, and tubes, due to its higher surface area, which increases the sensitivity of the assay.

Applications of latex beads include:

- Slide agglutination
- Nephelometry
- Immunoturbidimetry
- Lateral flow
- Microfluidics

### HiDye beads

HiDye latex beads are available in a range of colors (blue, red, yellow, green, and purple), offering all the features of the white beads with the added advantage of intense color.

As the dye is not surface bound, it does not interfere with the binding of ligand.



## Streptavidin

### Agilent streptavidin available in native and recombinant forms with excellent lot-to-lot consistency

SA10 Streptavidin is our longest-established streptavidin product, being a widely-used workhorse of the industry for over 25 years. It is purified to a high degree from fermentations of *Streptomyces avidinii* and has a molecular weight of 52 kDa. SA10 is also known as 'core' streptavidin, due to the processing of the full-length streptavidin protein that occurs in cell culture.<sup>1</sup>

SA26 Streptavidin-plus is a recombinant form of streptavidin made in *E. coli* and has a molecular weight of 55 kDa. Streptavidin-plus has been found to have superior performance in certain applications, such as when immobilized as an ELISA capture agent.

### Immobilized streptavidin

Streptavidin-Agarose is streptavidin attached to beads of cross-linked 4.3% agarose with a bead size distribution of 75-300 microns. Streptavidin is attached to the beads through a stable amide linkage with a 15-carbon spacer arm. The linkage is stable through a wide pH range (4-11). The streptavidin content is > 1 mg/mL of packed beads.

The biotin binding capacity enables immobilization of biotinylated molecules. Thus, applications include immobilization of biotinylated antibodies for affinity purification of associated antigens.

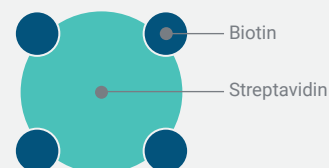
### Streptavidin enzyme conjugates

Streptavidin-HRP (horseradish peroxidase) conjugate is optimized for ELISA procedures and applications requiring a high signal-to-noise ratio. The conjugate is made with an improved non-mercury stabilizer ensuring long-term stability.

We also offer HRP and AP (alkaline phosphatase) conjugate stabilizers.



Streptavidin



### About streptavidin

Streptavidin is a tetramer, with each monomer containing a single biotin binding site. It may be used to bind biotinylated molecules both in solution or when immobilized (beads, microplates, membranes), or as a conjugation partner for other proteins to take advantage of the streptavidin-biotin interaction.

Agilent streptavidin is supplied lyophilized and is readily soluble in water or salt containing buffers, at concentrations of up to 50 mg/mL or more.

<sup>1</sup> Pähler A. et al. Characterization and crystallization of core streptavidin. *J. Biol. Chem.* 1987, 262(29), 13933-37.



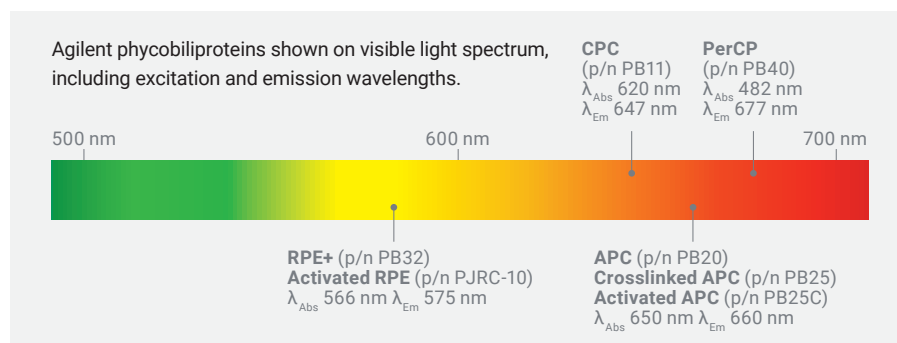
## Phycobiliproteins

### Fluorescent proteins manufactured from native sources in continuous culture

Agilent phycobiliproteins are manufactured from proprietary natural sources (red algae, cyanobacteria) grown in continuous culture in California, and highly purified for the best possible product quality. Agilent phycobiliproteins can be easily linked to antibodies and other proteins through conventional protein cross-linking techniques without altering their spectral characteristics.

#### Key advantages

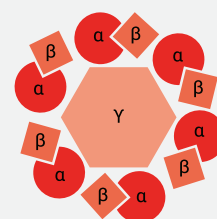
- Consistent lot-to-lot performance resulting from continuous culture of source organisms and high purity
- Total control on growth conditions and nutrition, which avoids contamination from extraneous organisms and waste found in the open ocean. Proteins are harvested at the optimal stage of the growth cycle to assure uniform product characteristics. The pigment is extracted and stabilized within minutes of harvest, virtually eliminating risks from the action of proteases.
- Superior quantum efficiency compared to small molecule dyes
- High water solubility
- Homogeneous structure with defined molecular weights
- Multiple sites for stable conjugation to many biological and synthetic materials



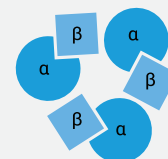
#### Applications

Typically conjugated to monoclonal or polyclonal secondary antibodies, used for detection in flow cytometry or bead-based assays.

#### Agilent phycobiliproteins



RPE subunit structure,  $(\alpha\beta)_6\gamma$



APC subunit structure,  $(\alpha\beta)_3$

R-Phycoerythrin (RPE) and Allophycocyanin (APC) are workhorse fluorescent detection reagents in a wide range of biotechnology applications.

## Phycobiliprotein conjugates

### Optimal conjugates for your applications

Agilent makes a series of Streptavidin-RPE and Streptavidin-APC conjugates to meet the special requirements of customer applications. As Agilent manufactures both streptavidin and phycobiliprotein components of conjugates, as well as the conjugates themselves, we are able to better control the elements of quality and manufacturing.



#### Phycobiliprotein conjugates

##### Streptavidin-RPE

Multiple variations of this conjugate offered:

- ‘Small’ conjugates used for flow cytometry or tetramer assays (T-cell analysis)
- ‘Large’ conjugates used for bead-based assays

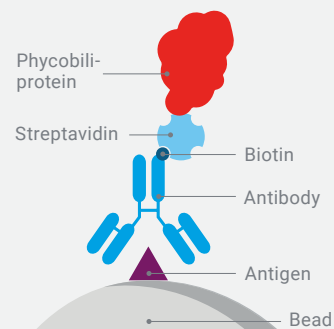
##### Streptavidin-APC

Main application is tetramer assay (T-cell analysis by flow cytometry)

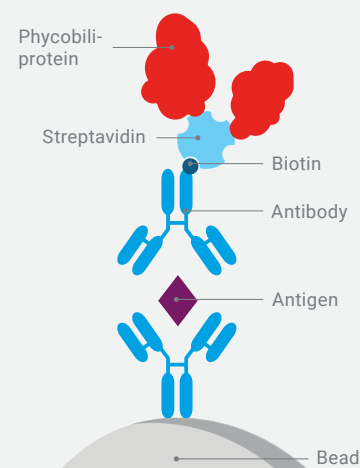
### Applications

Using our highly purified phycobiliproteins and streptavidin, we manufacture a variety of Streptavidin-RPE and Streptavidin-APC conjugates for bead-based, flow cytometry, tetramer, and fluorescence resonance energy transfer (FRET) applications. We also offer kits and succinimidyl 4-[N-maleimidomethyl]-cyclohexane-1-carboxylate (SMCC)-activated phycobiliproteins for simplified conjugation of your antibody of interest.

#### Streptavidin-phycobiliprotein conjugate



Example of a flow cytometry setup including streptavidin-phycobiliprotein conjugate



Example of an immunoassay setup including streptavidin-phycobiliprotein conjugate



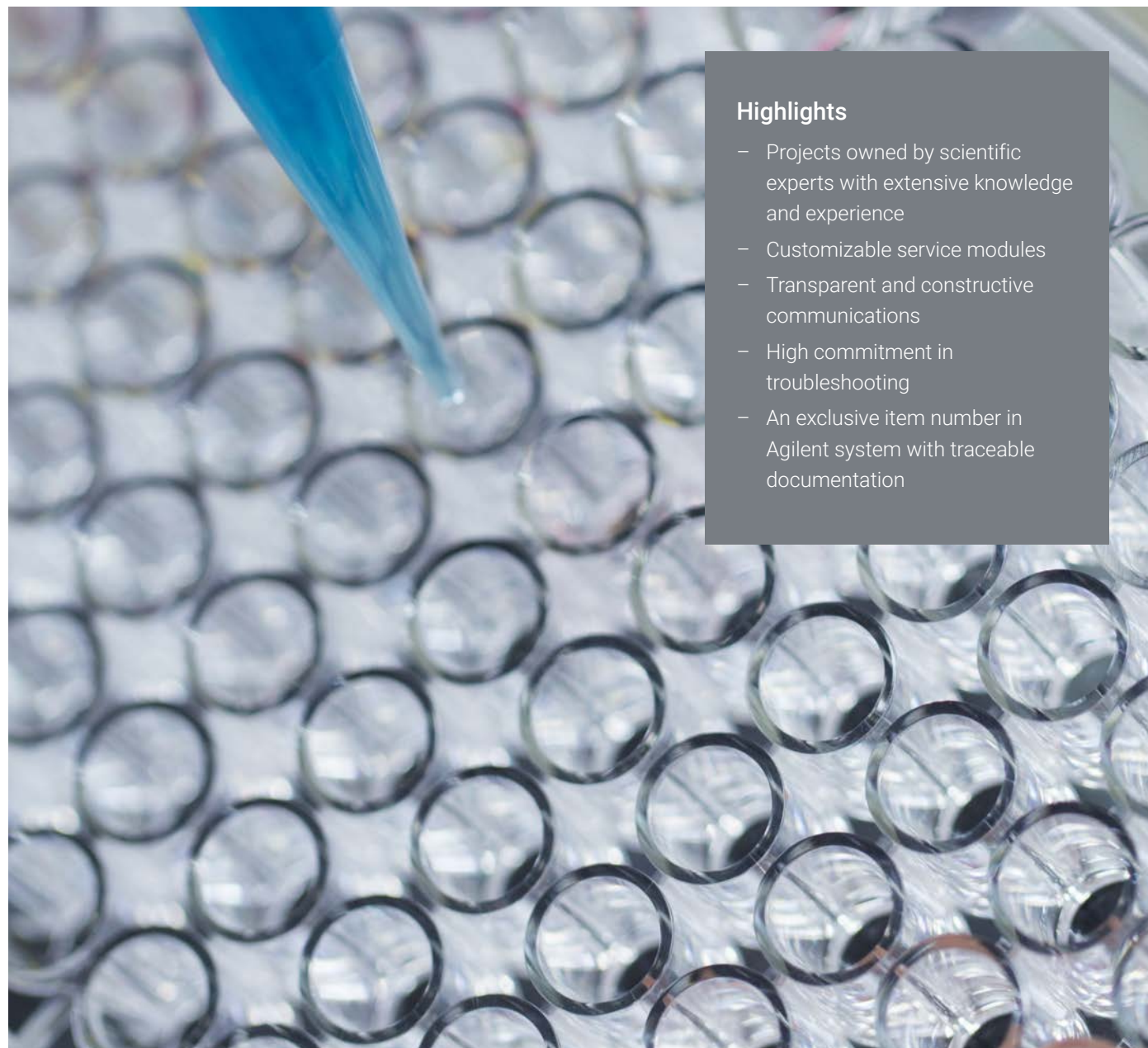
# Custom Assay Development and Kit Production

## Catalyze your ideas into great assays

Are you considering developing and producing a new assay, but lack the right in-house resources? With a competent scientific team and advanced production facilities, Agilent custom assay development could be your ideal alternative.

### Highlights

- Projects owned by scientific experts with extensive knowledge and experience
- Customizable service modules
- Transparent and constructive communications
- High commitment in troubleshooting
- An exclusive item number in Agilent system with traceable documentation





## How to start a typical custom assay development project







## Customizable service modules

### Proof of concept

- Assay design
- Feasibility study

### Assay components

- Antibody conjugation
- Primary reaction system
- Buffers, calibrators, and controls

### Design verification and validation

- Analytical validation
- Performance study
- Stability study
- Risk assessment

### Clinical validation

- Clinical data generation

### Registration<sup>1</sup>

- Registration data and documents
- Registration submission

### Bulk production

- Process validation
- Bulk assay components production

### Kitting and manufacturing

- Kit design
- Kit inserts and packaging
- Kit manufacturing

### A seamless partnership

It is not always easy or feasible to have all the assay development resources ready in-house. Therefore, we prepare a menu of customizable modules for our partners to compare and choose freely. Based on transparent and constructive communication, we can integrate the assay development to create a seamless partnership.

<sup>1</sup> Registration service is subject to country regulations.



# Ordering Information<sup>1</sup>

## Agilent Dako bulk antibodies and ancillaries

<b>Agilent Dako bulk polyclonal antibodies</b>	<b>27</b>
Rabbit anti-human biomarkers	27
Secondary antibodies	28
Other targets/analytes	29
<b>Agilent Dako bulk monoclonal antibodies</b>	<b>30</b>
<b>Agilent Dako ancillaries</b>	<b>31</b>

### Abbreviations

<b>Rb</b>	Rabbit	<b>Sw</b>	Swine	<b>Bo</b>	Bovine
<b>a</b>	anti-	<b>Cw</b>	Cow	<b>TMB</b>	3,3',5,5'-Tetramethylbenzidine
<b>Hu</b>	Human	<b>FITC</b>	Fluorescein isothiocyanate	<b>ELISA</b>	Enzyme-linked immunosorbent assay
<b>Gt</b>	Goat	<b>AP</b>	Alkaline phosphatase	<b>IFCC</b>	The International Federation of Clinical Chemistry and Laboratory Medicine
<b>Mo</b>	Mouse	<b>HRP</b>	Horseradish peroxidase		
<b>Gp</b>	Guinea pig	<b>RPE</b>	R-Phycoerythrin		

<sup>1</sup> Not all products are listed in the catalog. Customers are welcome to contact us via [rpsupport@agilent.com](mailto:rpsupport@agilent.com) to inquire about their needs in certain antibodies and variants. Country-specific suffixes may apply to item numbers in certain markets for logistics management purpose only.

# Agilent Dako Bulk Polyclonal Antibodies

## Rabbit anti-human biomarkers

Source	Target	Conjugation	Unit	Item No.	Remark
Rb a Hu	Albumin		mL	Q032815	
Rb a Hu	Alpha fetoprotein (AFP)		mL	A000815	
Rb a Hu	Alpha-1-antichymotrypsin (ACT)		mL	A002215	
Rb a Hu	Alpha-1-antitrypsin (AAT)		mL	Q036315	
Rb a Hu	Alpha-1-microglobulin (protein HC, A1M)		mL	Q049515	
Rb a Hu	Alpha-2-macroglobulin (A2M)		mL	Q010215	
Rb a Hu	Antithrombin III (ATIII)		mL	A029615	
Rb a Hu	Apolipoprotein A1 (APOA1)		mL	Q049615	
Rb a Hu	Apolipoprotein B (APOB)		mL	Q049715	
Rb a Hu	Apolipoprotein E (APOE)		mL	A007715	
Rb a Hu	Beta-2-microglobulin (B2M)		mL	A007215	
Rb a Hu	Beta-2-microglobulin (B2M)		mL	OA30915	Affinity purified.
Rb a Hu	C1-inactivator		mL	A025315	
Rb a Hu	Carcinoembryonic antigen (CEA)		mL	A011515	
Rb a Hu	Ceruloplasmin		mL	Q012115	
Rb a Hu	Complement C1q		mL	A013615	
Rb a Hu	Complement C3c		mL	A006215	
Rb a Hu	Complement C3c	FITC conjugated	mL	F020115	
Rb a Hu	Complement C3d		mL	A006315	
Rb a Hu	Complement C4c		mL	A006515	
Rb a Hu	C-reactive protein (CRP)		mL	Q032915	Recommended calibrator and controls available, please see page 31
Rb a Hu	C-reactive protein, slow reacting (srCRP)		mL	OA56515	Multiple variants available, please inquire.
Rb a Hu	Cystatin C		mL	A045115	
Rb a Hu	Cystatin C	Immunoparticles	mL	LX00415	Recommended calibrator and controls available, please see page 31
Rb a Hu	Ferritin		mL	A013315	Multiple variants available, please inquire.
Rb a Hu	Fibrinogen		mL	A008015	
Rb a Hu	Fibronectin		mL	A024515	
Rb a Hu	Gc-globulin (vitamin D-binding protein)		mL	A002115	
Rb a Hu	Haptoglobin		mL	Q033015	
Rb a Hu	Hemoglobin		mL	A011815	
Rb a Hu	Human chorionic gonadotropin (hCG)		mL	A023115	
Rb a Hu	Immunoglobulin A (IgA)		mL	A009215	
Rb a Hu	Immunoglobulin A (IgA)		mL	A026215	ELISA pure grade.
Rb a Hu	Immunoglobulin A (IgA)	FITC conjugated	mL	F020415	
Rb a Hu	Immunoglobulin A (IgA)	HRP conjugated	mL	P021615	
Rb a Hu	Immunoglobulin A, G & M (IgA, IgG & IgM)		mL	A019015	
Rb a Hu	Immunoglobulin A, G, M, kappa & lambda (IgA, IgG, IgM, κ & λ)	FITC conjugated	mL	F020015	
Rb a Hu	Immunoglobulin A, G, M, kappa & lambda (IgA, IgG, IgM, κ & λ)	HRP conjugated	mL	P021215	
Rb a Hu	Immunoglobulin D (IgD)		mL	A009315	
Rb a Hu	Immunoglobulin E (IgE)		mL	A009415	
Rb a Hu	Immunoglobulin G (IgG)		mL	A042415	
Rb a Hu	Immunoglobulin G (IgG)		mL	A042315	ELISA pure grade.
Rb a Hu	Immunoglobulin G (IgG)	AP conjugated	mL	D033615	
Rb a Hu	Immunoglobulin G (IgG)	FITC conjugated	mL	F020215	
Rb a Hu	Immunoglobulin G (IgG)	HRP conjugated	mL	P021415	

# Agilent Dako Bulk Polyclonal Antibodies

## Rabbit anti-human biomarkers (continued)

Source	Target	Conjugation	Unit	Item No.	Remark
Rb a Hu	Immunoglobulin G (IgG)	HRP conjugated	mL	P040615	F(ab') <sub>2</sub> fragmented.
Rb a Hu	Immunoglobulin M (IgM)		mL	A042615	
Rb a Hu	Immunoglobulin M (IgM)		mL	A042515	ELISA pure grade.
Rb a Hu	Immunoglobulin M (IgM)	AP conjugated	mL	D033715	Affinity purified.
Rb a Hu	Immunoglobulin M (IgM)	FITC conjugated	mL	F020315	
Rb a Hu	Immunoglobulin M (IgM)	HRP conjugated	mL	P021515	
Rb a Hu	Kappa free light chain		mL	A010015	Multiple variants available, please inquire.
Rb a Hu	Kappa light chain		mL	A019215	Multiple variants available, please inquire.
Rb a Hu	Kappa light chain	HRP conjugated	mL	P012915	
Rb a Hu	Lactoferrin		mL	A018615	
Rb a Hu	Lambda free light chain		mL	A010115	Multiple variants available, please inquire.
Rb a Hu	Lambda light chain		mL	A019415	Multiple variants available, please inquire.
Rb a Hu	Lambda light chain	HRP conjugated	mL	P013015	
Rb a Hu	Lipoprotein(a) (Lp(a))		mL	O911815A	
Rb a Hu	Lysozyme		mL	A009915	
Rb a Hu	Myeloperoxidase (MPO)		mL	A039815	
Rb a Hu	Myoglobin		mL	OA04415	
Rb a Hu	Neutrophil gelatinase-associated lipocalin (NGAL)		mL	Please inquire	
Rb a Hu	Orosomucoid (alpha-1-acid glycoprotein, α1-AGP)		mL	Q032615	
Rb a Hu	Prostate-specific antigen (PSA)		mL	Please inquire	
Rb a Hu	Protein S	HRP conjugated	mL	P041915A	
Rb a Hu	Retinol-binding protein (RBP)		mL	OA52915	
Rb a Hu	Serum amyloid A (SAA)		mL	Please inquire	
Rb a Hu	Thrombocyte (platelet)		mL	A022515	
Rb a Hu	Thyroglobulin		mL	A025115	
Rb a Hu	Transferrin		mL	Q032715	
Rb a Hu	Transthyretin (prealbumin)		mL	Q036215	
Rb a Hu	von Willebrand factor (VWF)		mL	A008215	
Rb a Hu	von Willebrand factor (VWF)	HRP conjugated	mL	P022615	

## Secondary antibodies

Source	Target	Conjugation	Unit	Item No.	Remark
Rb a Mo	Immunoglobulin G (IgG)	Biotinylated	mL	E035415	Affinity purified. No cross-reactivity to human or bovine immunoglobulins.
Gt a Mo	Immunoglobulins		mL	Z042015	Affinity purified. No cross-reactivity to human Ig or fetal calf serum.
Gt a Mo	Immunoglobulins	AP conjugated	mL	D048615	Affinity purified. No cross-reactivity to human Ig or fetal calf serum.
Gt a Rb	Immunoglobulins		mL	Z042115	Affinity purified. No cross-reactivity to human or bovine immunoglobulins. Multiple variants available, please inquire.



# Agilent Dako Bulk Polyclonal Antibodies

## Secondary antibodies (continued)

Source	Target	Conjugation	Unit	Item No.	Remark
Gt a Rb	Immunoglobulins	AP conjugated	mL	D048715	Affinity purified. No cross-reactivity to human or bovine immunoglobulins.
Rb a Gp	Immunoglobulins		mL	Please inquire	
Rb a Gt	Immunoglobulins		mL	Z022815	
Rb a Gt	Immunoglobulins		mL	Z045415	Affinity purified. No cross-reactivity to human Ig or fetal calf serum.
Rb a Mo	Immunoglobulins		mL	Z010915	
Rb a Mo	Immunoglobulins		mL	Z025915	High purity. No cross-reactivity to human or bovine immunoglobulins.
Rb a Mo	Immunoglobulins		mL	Z041215	Affinity purified. No cross-reactivity to human or bovine immunoglobulins.
Rb a Mo	Immunoglobulins	Biotinylated	mL	E041315	F(ab') <sub>2</sub> fragmented. Affinity purified. No cross-reactivity to human or bovine immunoglobulins.
Rb a Mo	Immunoglobulins	FITC conjugated	mL	F023215	
Rb a Mo	Immunoglobulins	FITC conjugated	mL	F026115	High purity. No cross-reactivity to human or bovine immunoglobulins.
Rb a Mo	Immunoglobulins	FITC conjugated	mL	F031315	F(ab') <sub>2</sub> fragmented. High purity. No cross-reactivity to human or bovine immunoglobulins.
Rb a Mo	Immunoglobulins	HRP conjugated	mL	P026015	High purity. No cross-reactivity to human or bovine immunoglobulins.
Sw a Rb	Immunoglobulins		mL	Z040015	Affinity purified. No cross-reactivity to human or bovine immunoglobulins.
Sw a Rb	Immunoglobulins	FITC conjugated	mL	F020515	Affinity purified. No cross-reactivity to human or bovine immunoglobulins.
Sw a Rb	Immunoglobulins	HRP conjugated	mL	P021715	High purity. No cross-reactivity to human or bovine immunoglobulins.

## Other targets/analytes

Source	Target	Conjugation	Unit	Item No.	Remark
Rb a	2,4-Dinitrophenol (DNP)		mL	V040115	
Rb a	Biotin (vitamin B7)		mL	OA57115	
Rb a	Fluorescein isothiocyanate (FITC)		mL	V040315	
Rb a	Fluorescein isothiocyanate (FITC)	AP conjugated	mL	D510115	F(ab') <sub>2</sub> fragmented.
Rb a	Fluorescein isothiocyanate (FITC)	HRP conjugated	mL	P510015	F(ab') <sub>2</sub> fragmented.
Rb a	Helicobacter pylori (HP)		mL	B047115	
Rb a	Herpes simplex virus type 1 (HSV-1)		mL	B011415	Multiple variants available, please inquire.
Rb a	Herpes simplex virus type 1 (HSV-1)	HRP conjugated	mL	P017515	
Rb a	Human serum		mL	A020615	
Rb a Cw	Glial fibrillary acidic protein (GFAP)		mL	Z033415	

# Agilent Dako Bulk Monoclonal Antibodies

Source	Target	Clone	Format	Unit	Item No.	Remark
Mo a	Adenovirus	AD51	Supernatant	mL	Please inquire	
Mo a	Bromodeoxyuridine (BrdU)	Bu20A	AP conjugated	mg	O914313	
Mo a Hu	Calcitonin	CAL-4-F4		mg	O957713	
Mo a Hu	Carcinoembryonic antigen (CEA)	II-7	Supernatant	mL	Please inquire	
Mo a Hu	CD138	MI15	Supernatant	mL	M722815	
Mo a Hu	C-peptide	CPT-3F11		mg	O958313	Recommended for pairing
Mo a Hu	C-peptide	PEP001		mg	OA01313	
Mo a Hu	Creatine kinase BB (CK-BB)	KBB10-F21		mg	OA14013	
Mo a Hu	Creatine kinase MM (CK-MM)	KMM9-F89		mg	O950613	
Mo a	Cytomegalovirus (CMV)	CCH2	Supernatant	mL	Please inquire	
Mo a	Cytomegalovirus (CMV)	DDG9	Supernatant	mL	Please inquire	
Mo a	Cytomegalovirus (CMV)	AAC10	Supernatant	mL	Please inquire	
Mo a Hu	Desmin	D33	Supernatant	mL	M076015	
Mo a	Hepatitis B surface antigen (HBsAg)	3E7	Supernatant	mg	M350615	
Mo a Hu	Insulin	HUI-018		mg	O958113	Recommended for pairing. Multiple variants available, please inquire.
Mo a Bo	Insulin	OXI-005		mg	O958013	
Mo a Hu	Melanosome	HMB-45	Supernatant	vial	M063430-7	10mL per vial
Mo a Hu	Myoglobin	MYO-7-F14		mg	O951313	Recommended for pairing
Mo a Hu	Myoglobin	MYO-7-F7		mg	O958913	
Mo a Hu	Progesterone	PGE 1-F2		mg	O901113	
Mo a Hu	Proinsulin	3B	Supernatant	mL	IX01815	Recommended for pairing
Mo a Hu	Proinsulin	A6C9	Supernatant	mL	IX01915	
Mo a Hu	Thyroglobulin	TF-33		mg	O958513	Recommended for pairing
Mo a Hu	Thyroglobulin	TF-25		mg	O952613	
Mo a Hu	Troponin I (TnI)	TRI-7-F81		mg	O952813	
Mo a Hu	Troponin I (TnI)	TRI-7-F83		mg	O952913	

# Agilent Dako Ancillaries

Category	Description	Unit	Item No.	Remark
Buffers & substrates	Hemolyzing reagent	mL	OA53315	
Buffers & substrates	Dilution buffer, for turbidimetry	mL	S200515	
Buffers & substrates	Reaction buffer 1, for turbidimetry	mL	S200715	
Buffers & substrates	Reaction buffer 2, for turbidimetry	mL	S200815	
Buffers & substrates	Reaction buffer 3, for turbidimetry	mL	S200615	
Buffers & substrates	Reaction buffer 4, for turbidimetry	mL	S201115	
Buffers & substrates	Reaction buffer 7, for turbidimetry	mL	S230715	
Buffers & substrates	Reaction buffer 9, for particle-enhanced turbidimetry (PET)	mL	S236115	
Buffers & substrates	Peroxidase stabilization buffer	mL	D210015 <sup>1</sup>	
Buffers & substrates	Peroxidase stabilization buffer, 15 liter	bottle	D210030 <sup>1</sup>	
Buffers & substrates	Peroxidase-blocking reagent, 1 liter	bottle	S200123-7	
Buffers & substrates	Stabilization buffer	L	O919523A	
Buffers & substrates	TMB substrates S1, 10 liters	bottle	OA56823	
Buffers & substrates	TMB substrates S2, 10 liters	bottle	OA56723	
Calibrators & controls	Cystatin C calibrator (ERM-DA471/IFCC Standardized)	mL	X791215	Recommended for LX00415
Calibrators & controls	Cystatin C low control	mL	Please inquire	Recommended for LX00415
Calibrators & controls	Cystatin C high control	mL	Please inquire	Recommended for LX00415
Calibrators & controls	Human serum C-reactive protein calibrator	mL	X092315	Recommended for Q032915
Calibrators & controls	Human serum C-reactive protein low control	mL	X092515	Recommended for Q032915
Calibrators & controls	Human serum C-reactive protein high control	mL	X092615	Recommended for Q032915
Calibrators & controls	Human serum protein calibrator	mL	X090815	
Calibrators & controls	Human serum protein low control	mL	X093915	
Calibrators & controls	Human serum protein high control	mL	X094015	
Calibrators & controls	Human urine protein calibrator	mL	X097515	
Calibrators & controls	Human urine protein low control	mL	X097615	
Calibrators & controls	Human urine protein high control	mL	X097715	
Calibrators & controls	Rabbit Ig fraction, negative control	mL	X090315	
Coombs' test reagents	Monospecific C3 reagent for Coombs' test	mL	C024215	
Coombs' test reagents	Monospecific C3D reagent for Coombs' test	mL	C024315	
Coombs' test reagents	Monospecific C4 reagent for Coombs' test	mL	C024415	
Coombs' test reagents	Monospecific IgA reagent for Coombs' test	mL	C024015	
Coombs' test reagents	Monospecific IgG reagent for Coombs' test	mL	C023915	
Coombs' test reagents	Monospecific IgM reagent for Coombs' test	mL	C024115	
Isotypes	Mouse IgG2a, RPE conjugated, negative control	mL	X095015	
Serum	Goat serum	mL	X090715	
Serum	Mouse serum	mL	OA56015	
Serum	Rabbit serum	mL	X090215	
Streptavidin & dextran	Divinyl Sulfone (DVS) activated dextran (270 kDa)	mL	OA55415	
Streptavidin & dextran	Divinyl Sulfone (DVS) activated dextran (500 kDa)	mL	Please inquire	
Streptavidin & dextran	Streptavidin, AP conjugated	mL	OA55515 <sup>1</sup>	
Streptavidin & dextran	Streptavidin, HRP conjugated	mL	OA55915	
Streptavidin & dextran	Streptavidin-dextran (500 kDa)	mL	OA22215	
Streptavidin & dextran	Streptavidin-dextran (70 kDa), HRP conjugated	mL	OA14515 <sup>1</sup>	

<sup>1</sup> Not available in all markets. Please inquire your local Agilent representative or contact us via [rpsupport@agilent.com](mailto:rpsupport@agilent.com) to confirm the availability in your country.

# Ordering Information

## Beads, streptavidin, and detection reagents

<b>Magnetic beads</b>	<b>33</b>
<b>Latex beads</b>	<b>34</b>
Non-functionalized products	34
Carboxyl-modified products	35
<b>Streptavidin</b>	<b>36</b>
Immobilized streptavidin	36
Streptavidin enzyme conjugates	36
<b>Phycobiliproteins</b>	<b>37</b>
Activated phycobiliproteins	37
RPE conjugation kit	38
<b>Phycobiliprotein conjugates</b>	<b>39</b>
Streptavidin-RPE conjugate sampler kit	39
Streptavidin-RPE conjugates	39
Streptavidin-APC conjugates	39

### Abbreviations

BCA	Bicinchoninic acid	PerCP	Peridinin-chlorophyll-protein complex
ELISA	Enzyme-linked immunosorbent assay	FACS	Fluorescent-activated cell sorting
HRP	Horseradish peroxidase	TR-FRET	Time-resolved fluorescence resonance energy transfer
AP	Alkaline phosphatase	SMCC	Succinimidyl 4-[N-maleimidomethyl]-cyclohexane-1-carboxylate
RPE	R-Phycoerythrin	HPLC	High-performance liquid chromatography
APC	Allophycocyanin	SEC	Size-exclusion chromatography
CPC	C-Phycocyanin	FRET	Fluorescence resonance energy transfer

# Magnetic Beads

Specifications	LodeStars Beads	LodeStars High Bind Beads
Diameter	2.7 µm	2.7 µm
Iron content	~ 20%	~ 20%
<b>Streptavidin binding capabilities</b>		
Biotin	> 1,200 pmoles/mg bead	> 3,000 pmoles/mg bead
Biotinylated IgG and anti-IgG-OG*	~ 3.6 µg/mg bead	~ 6.5 µg/mg bead
<b>Carboxyl binding capabilities</b>		
BCA assay*	~ 20 µg/mg bead	~ 40 µg/mg bead

\* Assay details available on request.

Description	LodeStars Beads (30 mg/mL)		LodeStars High Bind Beads (50 mg/mL)	
LodeStars Carboxyl beads	2 mL	PL6727-0001	1 mL	PL6827-0001
	10 mL	PL6727-0003	10 mL	PL6827-0003
	100 mL	PL6727-0005	100 mL	PL6827-0005
	400 mL	PL6727-0006	400 mL	PL6827-0006
	800 mL	PL6727-0007		
	<b>(10 mg/mL)</b>		<b>(50 mg/mL)</b>	
LodeStars Streptavidin beads	2 mL	PL6727-1001	1 mL	PL6827-1001
	10 mL	PL6727-1003	10 mL	PL6827-1003
	100 mL	PL6727-1005	100 mL	PL6827-1005
	800 mL	PL6727-1007	400 mL	PL6827-1006



# Latex Beads

## Non-functionalized products

Latex plain white beads	15 mL	100 mL	1 L
50 nm 10% Solids	PL6000-7101	PL6000-7102	PL6000-7103
100 nm 10% Solids	PL6001-4101	PL6001-4102	PL6001-4103
200 nm 10% Solids	PL6002-2101	PL6002-2102	PL6002-2103
300 nm 10% Solids	PL6003-2101	PL6003-2102	PL6003-2103
400 nm 10% Solids	PL6004-4101	PL6004-4102	PL6004-4103
600 nm 10% Solids	PL6006-4101	PL6006-4102	PL6006-4103
800 nm 10% Solids	PL6008-4101	PL6008-4102	PL6008-4103
1000 nm 10% Solids	PL6010-4101	PL6010-4102	PL6010-4103
<b>Blue</b>			
300 nm 10% Solids		Available on request	
400 nm 10% Solids		Available on request	
800 nm 10% Solids		Available on request	
1000 nm 10% Solids		Available on request	
<b>Red</b>			
200 nm 10% Solids		Available on request	
300 nm 10% Solids		Available on request	
400 nm 10% Solids		Available on request	
800 nm 10% Solids		Available on request	
<b>Yellow</b>			
600 nm 10% Solids	PL6006-4161	PL6006-4162	PL6006-4163

# Latex Beads

## Carboxyl-modified products

Latex Carboxyl white beads	15 mL	100 mL	1 L
100 nm 10% Solids	PL6101-6101	PL6101-6102	PL6101-6103
150 nm 10% Solids	PL6115-6101	PL6115-6102	PL6115-6103
200 nm 10% Solids	PL6102-6101	PL6102-6102	PL6102-6103
300 nm 10% Solids	PL6103-6101	PL6103-6102	PL6103-6103
400 nm 10% Solids	PL6104-6101	PL6104-6102	PL6104-6103

Latex SuperCarboxyl white beads	15 mL	100 mL	1 L
50 nm 10% Solids	PL6200-6101	PL6200-6102	PL6200-6103
100 nm 10% Solids	PL6201-6101	PL6201-6102	PL6201-6103
125 nm 10% Solids	PL6212-5101	PL6212-5102	PL6212-5103
150 nm 10% Solids	PL6215-6101	PL6215-6102	PL6215-6103
200 nm 10% Solids	PL6202-6101	PL6202-6102	PL6202-6103
300 nm 10% Solids	PL6203-6101	PL6203-6102	PL6203-6103
400 nm 10% Solids	PL6204-6101	PL6204-6102	PL6204-6103

Latex Carboxyl HiDye beads	15 mL	100 mL	1 L
<b>Blue</b>			
200 nm 10% Solids		Available on request	
300 nm 10% Solids		Available on request	
400 nm 10% Solids		Available on request	
800 nm 10% Solids		Available on request	
<b>Purple</b>			
300 nm 10% Solids		Available on request	
<b>Red</b>			
200 nm 10% Solids		Available on request	
300 nm 10% Solids		Available on request	
400 nm 10% Solids		Available on request	
600 nm 10% Solids		Available on request	
<b>Green</b>			
300 nm 10% Solids		Available on request	
<b>Blue</b>			
400 nm 10% Solids	PL6104-6121	PL6104-6122	
<b>Red</b>			
400 nm 10% Solids	PL6104-6141	PL6104-6142	

# Streptavidin

Product Description	Part Number	Pack Size <sup>1</sup>	Tetramer Size	Specific Activity <sup>2</sup>	Applications
<b>Streptavidin</b> Native from <i>Streptomyces avidinii</i> (‘core’ streptavidin)	SA10-10	10 mg	~52 kDa	≥ 14.0 U/mg	Conjugation, ELISA
	SA10-100	100 mg			
	SA10	1000 mg			
<b>Streptavidin-plus</b> Recombinant gene from <i>Streptomyces avidinii</i> expressed in <i>E. coli</i>	SA26-10	10 mg	~55 kDa	≥ 15.0 U/mg	Conjugation, ELISA, performs well in applications where streptavidin is immobilized
	SA26-100	100 mg			

## Immobilized streptavidin

Product Description	Part Number	Pack Size
Streptavidin-Agarose	CJ30R-10	10 mL
	CJ30R-20	20 mL
	CJ30R	100 mL

## Streptavidin enzyme conjugates

Product Description	Part Number	Pack Size
<b>Streptavidin-HRP conjugate ELISA</b> Optimized for applications that require high signal-to-noise ratios. Made with improved non-mercury stabilizer.	CJ30H-3	3 x 1 mL
	CJ30H-10	10 mL
	CJ30H-100	100 mL
<b>HRP conjugate stabilizer</b> For dilution (up to 1,000-fold) of HRP conjugates (50% with deionized water). Contains a mercury-free azide-free preservative.	CJ95	500 mL
	CJ95-1000	1000 mL
<b>AP conjugate stabilizer</b> For dilution (up to 1,000-fold) of AP conjugates (50% with deionized water). Contains a mercury-free azide-free preservative.	CJ90	500 mL
	CJ90-1000	1000 mL

<sup>1</sup> These streptavidin products are available in various pack sizes and are supplied lyophilized. Large quantities are available from single lots, with exceptional lot-to-lot consistency.

<sup>2</sup> Specific activity is measured by the industry-standard HABA dye-binding assay. The specific activity measurement is higher still when measured by the alternative biotin-titration assay used by some suppliers.

# Phycobiliproteins

Product Description	Part Number	Pack Size <sup>1</sup>	Applications	Absorbance Maximum (nm)	Fluorescence emission (nm)	Molecular Weight (kDa)
<b>R-Phycoerythrin (RPE+)</b> Isolated from a species of red algae chosen specifically because it yields one of the most highly fluorescent of the RPEs.	PB32-10	10 mg	Fluorescent immunolabeling, flow cytometry, Luminex or other bead-based applications.	566 (496 secondary)	575	240
	PB32-100	100 mg				
	PB32	500 mg				
<b>Allophycocyanin (<i>Spirulina</i> sp)</b> Isolated from <i>Spirulina</i> sp., a bluegreen alga, APC has extremely high absorptivity and a high quantum efficiency. Can be easily linked to antibodies and other proteins.	PB20-10	10 mg	Fluorescent immunolabeling, particularly in applications involving fluorescent-activated cell sorting (FACS) or time-resolved fluorescence resonance transfer (TR-FRET).	648-652	~660	104
	PB20-100	100 mg				
	PB20	500 mg				
<b>Cross-linked Allophycocyanin</b> Cross-linking APC creates the most stable form available as the crosslinked αβ subunits provide increased structural integrity in the presence of chaotropic salts. There are one or two crosslinks created per APC molecule.	PB25-10	10 mg	Fluorescent immunolabeling, particularly in applications involving FACS or TR-FRET.	64-652	~660	104
	PB25-50	50 mg				
	PB25-100	100 mg				
	PB25	500 mg				
<b>C-Phycocyanin (<i>Spirulina</i> sp)</b> Isolated from <i>Spirulina</i> sp., a blue-green alga. Like other phycobiliproteins, CPC is fluorescent, with an extremely high absorptivity and a high quantum efficiency.	PB11	10 mg	Used in a variety of immunological assays and as fluorescent labels for cell-sorting. Because of the high molar absorptivity of CPC and other phycobiliproteins at visible wavelength, they are convenient markers in such applications as gel electrophoresis, isoelectric focusing and gel exclusion chromatography.	620	647	232
	PB11-500	500 mg				
<b>PerCP (<i>Dinophyceae</i> sp)</b> Peridinin-chlorophyll-protein complex (PerCP) is isolated from <i>Dinophyceae</i> sp.	PB40-10	10 mg	Fluorescent immunolabeling, particularly in applications involving FACS.	482	677	35.5
	PB40-50	50 mg				
	PB40-100	100 mg				
	PB40	500 mg				

## Activated phycobiliproteins

Product Description	Part Number	Pack Size <sup>1</sup>	Applications	Absorbance Maximum (nm)	Fluorescence emission (nm)	Molecular Weight (kDa)
<b>Activated R-Phycoerythrin</b> RPE activated with SMCC then goes through a buffer exchange step and filtered using a 0.45 µm membrane.	PJRC10-5	5 mg	Conjugation of antibodies and other proteins.	566 (496 secondary)	575	240
	PJRC10	100 mg				
<b>Activated Allophycocyanin</b> IAPC crosslinked and then activated with SMCC. After a buffer exchange step, the product is filtered using a 0.45 µm membrane.	PJ25C-5	5 mg	Conjugation of APC antibodies and other proteins.	648-652	~660	104
	PJ25C-10	10 mg				
	PJ25C	100 mg				

<sup>1</sup> These phycobiliprotein products are available in various pack sizes. Large quantities are available from single lots, with exceptional lot-to-lot consistency. Please contact us if you are interested in a sample to test.

# Phycobiliproteins

## RPE conjugation kit

Product Description	Part Number	Pack Size <sup>1</sup>	Applications	Absorbance Maximum (nm)	Fluorescence emission (nm)	Molecular Weight (kDa)
<b>R-Phycoerythrin Conjugation Kit</b> Contains everything you need to conjugate up to 1 mg of your antibody to RPE, including 3.2 mg activated RPE.	PJ31K	1 kit	Conjugation of RPE to antibodies or other proteins. Reaction may be scaled up by utilizing additional activated RPE (p/n PJRC10).	566 (496 secondary)	575	240



<sup>1</sup> These phycobiliprotein products are available in various pack sizes. Large quantities are available from single lots, with exceptional lot-to-lot consistency. Please contact us if you are interested in a sample to test.



# Phycobiliprotein conjugates

## Streptavidin-RPE conjugate sampler kit

Product Description	Part Number	Pack Size*
Streptavidin-Phycoerythrin, sampler kit	PJ3SX	1 ea PJRS20 (0.25 mg), 1 ea PJRS25 (0.25 mg), 1 ea PJRS27 (0.25 mg), 1 ea PJRS301 (0.25 mg), 1 ea PJ39S (0.25 mg), 1 ea PJRS34 (0.25 mg)

## Streptavidin-RPE conjugates

Product Description	Part Number	Pack Size*	Applications	Conjugate Size
Streptavidin-RPE	PJ31S-1	1 mg	PJ31S is a conjugate specifically manufactured for optimum performance in bead-based assays such as the Luminex platform. Superseded by newer conjugates PJRS20 and PJRS301.	Large
	PJ31S-5	5 mg		
	PJ31S	50 mg		
Streptavidin-RPE (ver 2)	PJ39S-1	1 mg	A conjugate that is predominantly a single peak on an HPLC/SEC chromatogram, consistent with approximately two streptavidin molecules conjugated to a single R-phycoerythrin molecule. Potential applications include single molecule detection systems and quantitative analysis in flow cytometry.	Small
	PJ39S	50 mg		
Streptavidin-RPE (ver 4)	PJRS20-1	1 mg	PJRS20 is manufactured for optimum performance in bead-based assays.	Large
	PJRS20-10	10 mg		
	PJRS20	50 mg		
Streptavidin-RPE (ver 5)	PJRS25-1	1 mg	PJRS25 is one of several unique Streptavidin-RPE conjugates that has shown to improve performance of some bead-based assays such as the Luminex platform.	Med
	PJRS25-10	10 mg		
	PJRS25	50 mg		
Streptavidin-RPE (ver 6)	PJRS27-1	1 mg	PJRS27 is manufactured for optimum performance in tetramer and multimer applications <sup>1</sup> as well as flow cytometry and bead-based assays such as the Luminex platform.	Med
	PJRS27-10	10 mg		
	PJRS27	50 mg		
Streptavidin-RPE (ver 7)	PJRS301-1	1 mg	PJRS301 is our newest streptavidin-RPE conjugate and is specifically manufactured for optimum performance in bead-based assays. PJRS301 manufacture includes additional steps designed to ensure consistent lot performance over time.	Large
	PJRS301-10	10 mg		
	PPJRS-301	50 mg		
Streptavidin-RPE (ver 9)	PJRS34-1	1 mg	PJRS34 is manufactured as a low background conjugate for research applications utilizing bead-based assays.	Large
	PJRS34-10	10 mg		
	PJRS34	50 mg		

## Streptavidin-RPE conjugates

Product Description	Part Number	Pack Size*	Applications
Streptavidin-APC	PJ25S	0.25 mg	PJ25S is a larger conjugate than PJ27S, and is better suited for FRET assays.
	PJ25S-1	1 mg	
	PJ25S-10	10 mg	
Streptavidin-APC (ver 2)	PJ27S	0.25 mg	PJ27S is specifically designed for use in tetramer and multimer applications <sup>1</sup> .
	PJ27S-1	1 mg	



The listed antibodies, buffers, calibrators, controls, beads, streptavidin, detection reagents, and other assay component products are raw materials and as such should not be used as a finished product for in-vitro diagnostics. It is the responsibility of IVD manufacturers to conduct the required validation and registration to ensure their final products meet the standards for relevant regulatory classification and commercialization as an IVD.

For more information on beads, streptavidin, and detection reagents, please visit:

**[www.agilent.com/en/promotions/beyondbeads](http://www.agilent.com/en/promotions/beyondbeads)**

**[www.agilent.com/chem/proteins-conjugates](http://www.agilent.com/chem/proteins-conjugates)**

If you are interested in Agilent Dako bulk antibodies and ancillaries, custom antibodies, and assay development, please contact us via

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If you are interested in beads, streptavidin, and detection reagents, please contact us via

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