



Your good partner in biology research

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About CUSABIO



About CUSABIO



After **11** years of efforts, CUSABIO has become a good partner to researchers worldwide. We are dedicated to provide tens of thousands of antibodies, proteins, ELISA kits as well as cDNA clones to global customers in the research fields of cancer, cell biology, immunology, neuroscience, epigenetics, etc.



The quality of our products is the cornerstone of our ability to serve our clients. For this reason, we invest tremendous resources in developing products, validating customers' applications, managing, controlling and improving quality.

Core Patents & Technology



- 7 National Invention Patents
- 6 Practical New Patents
- 3 Appearance Patents
- 15 Invention Patents under Review
- 26 Diagnostic Enzyme Production Technologies
- 95 Diagnostic Antigen Antibody Production Technologies

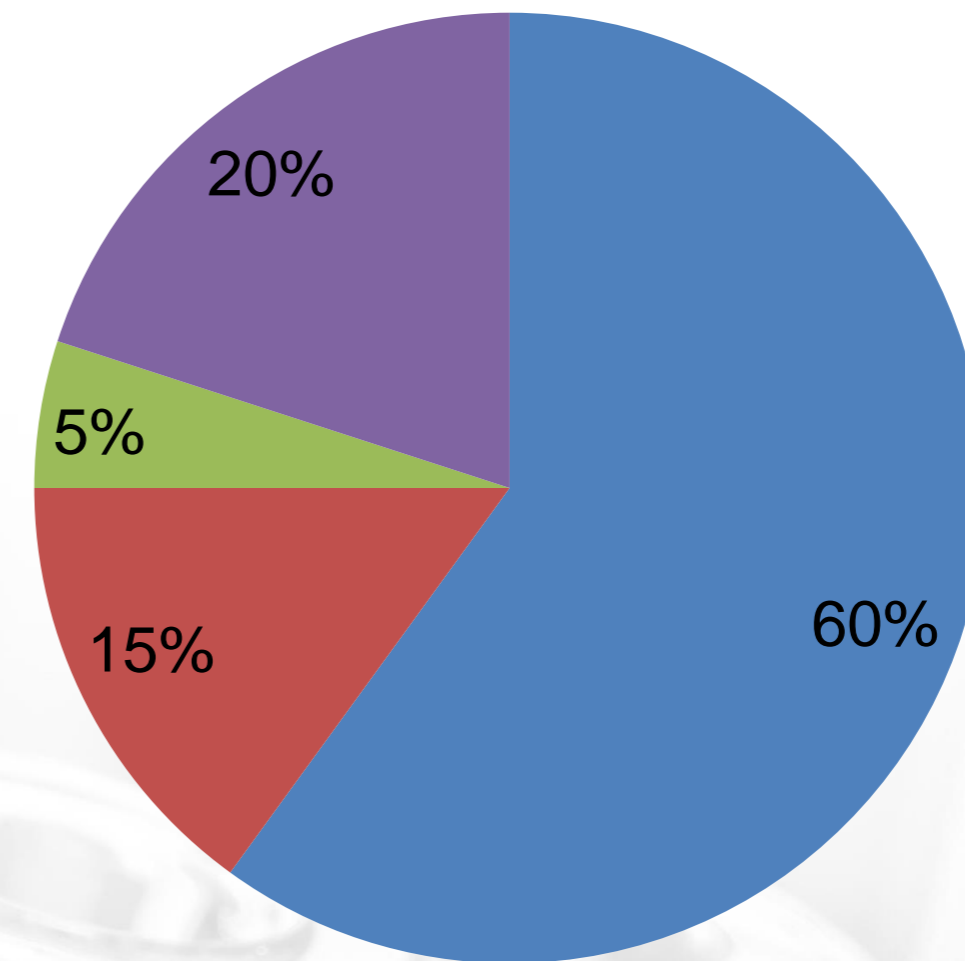
Professional R&D Team



Technical Team

Cusabio has a R&D team consisting of scientists with Doctorate and Master Degrees. More than 60% of the employees are from technical team, including 20% PhDs and 40% Masters. Technical elites are from the well-known domestic institutions, with years of experience in the development of proteins, antibodies and ELISA kits.

■ Tech ■ Sales ■ Marketing ■ Others



Standardized Production Workshop & Development Laboratories



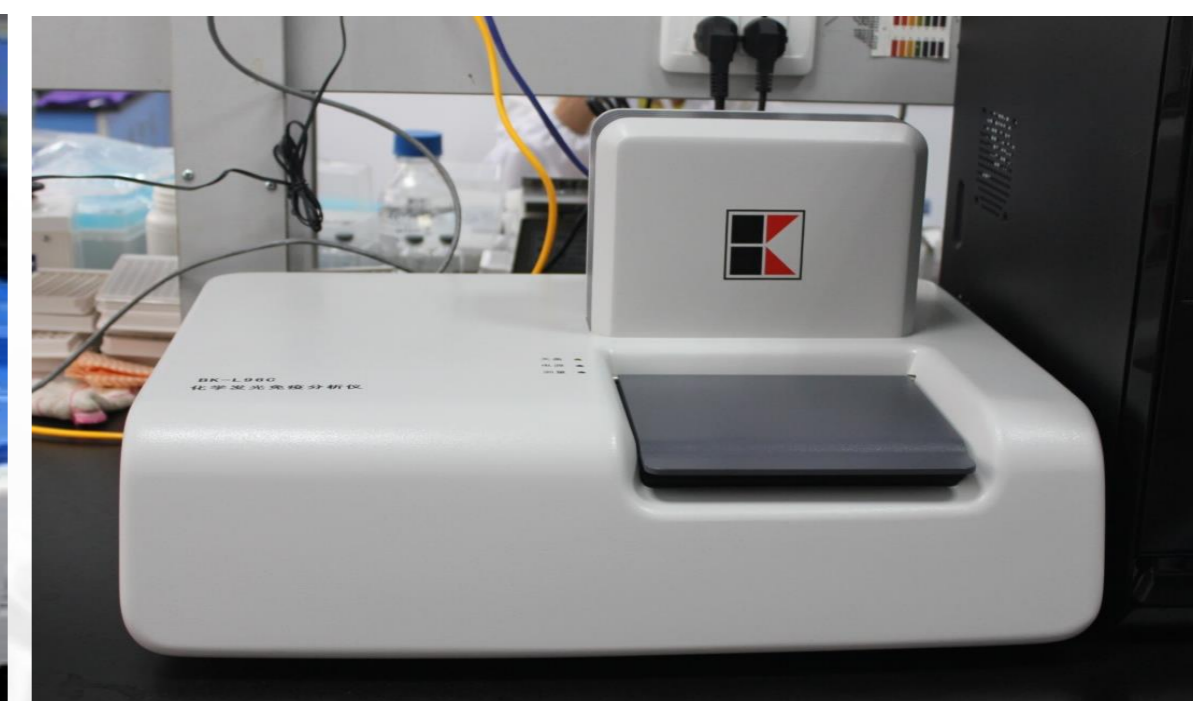
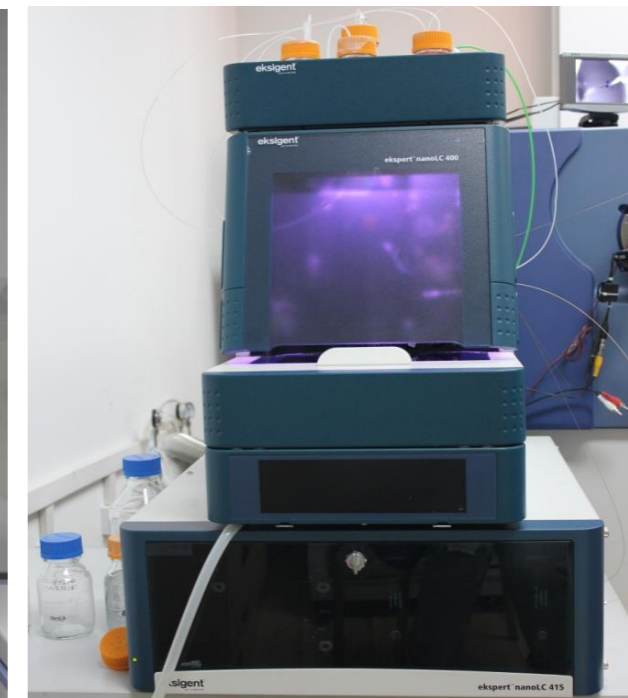
4000 m² Research Labs



2000 m² 100,000 Grade GMP Production Workshop



Professional Production & Testing Equipments



ELISA Kit

- ELISA Kit
- ELISA Kit for food safety

Protein

- Native Protein
- Recombinant Protein
- Active Protein
- Transmembrane Protein

Antibody

- Polyclonal Ab
- Monoclonal Ab
- Secondary Ab
- Tag/Control Ab
- Recombinant Ab
- Custom Ab
- Antibody Pair

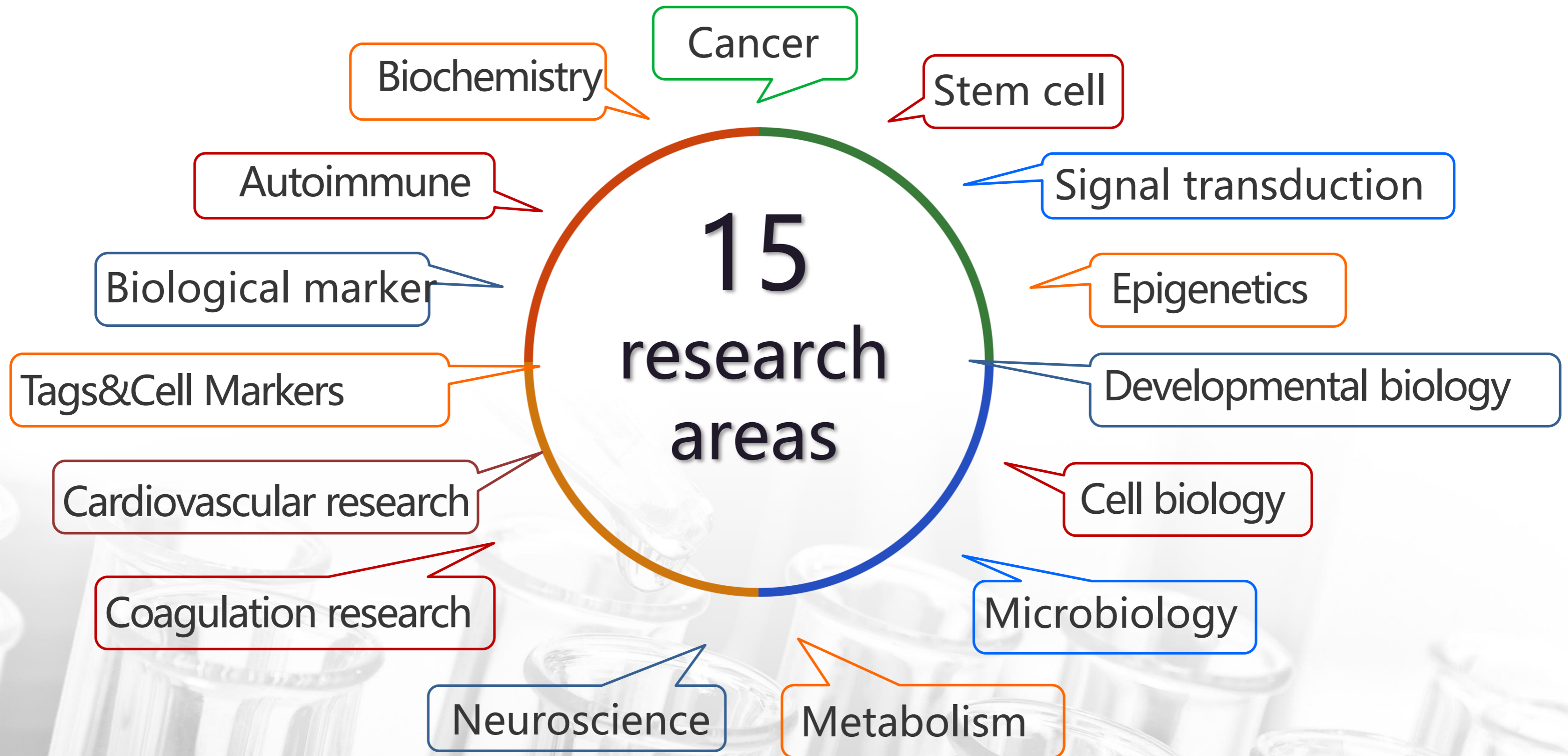
Molecular Biology Product

- Vector
- Host Bacteria
- Clone
- Tool Enzyme
- RT-PCR Primer

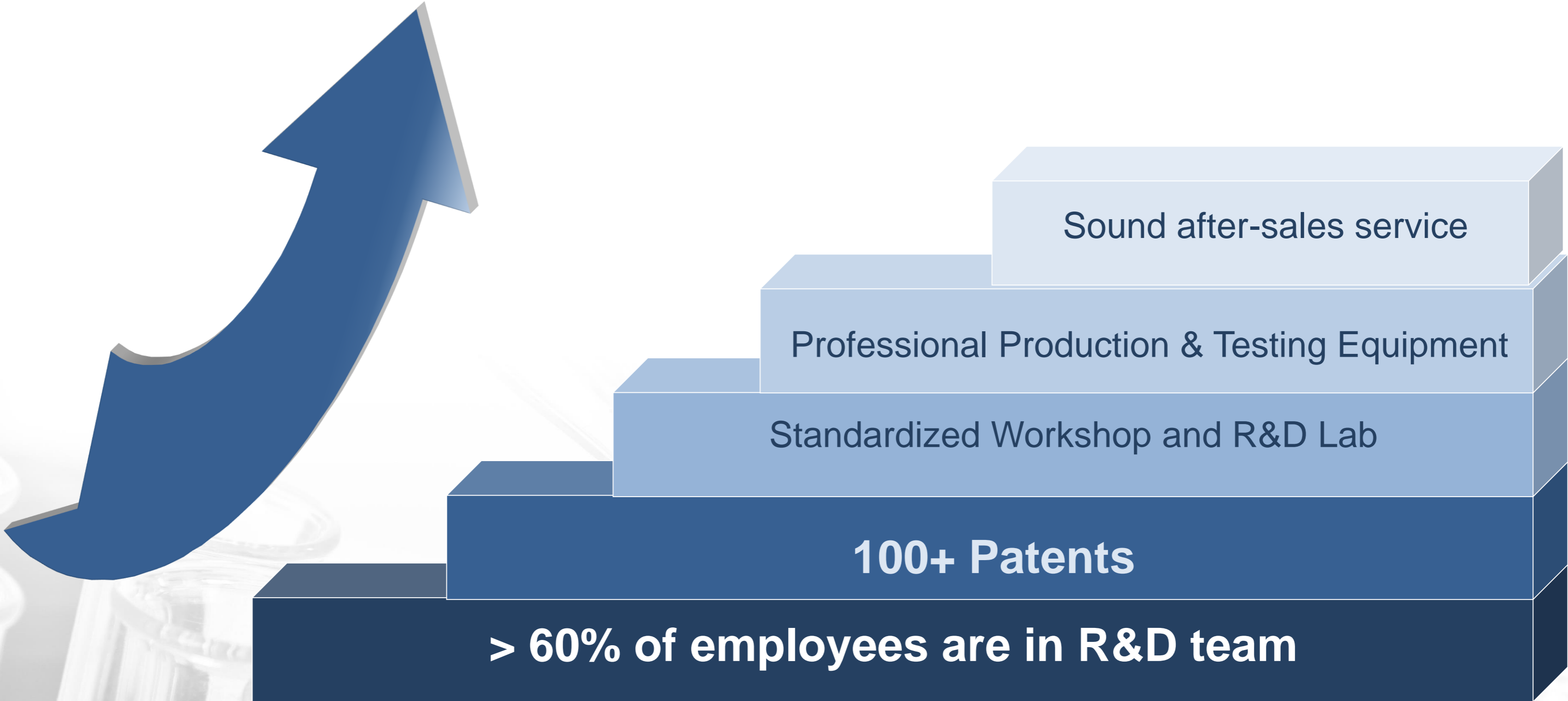
Small Molecule Antigen

- Food Safety Small Molecule Antigen
- Other Small Molecule Antigen
- Polypeptide

Top Research Areas



Core Competences





CUSABIO Antibody Introduction



6 reasons you should choose Cusabio Antibodies

1

Huge product variety and fast development speed

2

Based on industry hot spots and big data

3

More epitope recognition, higher specificity

4

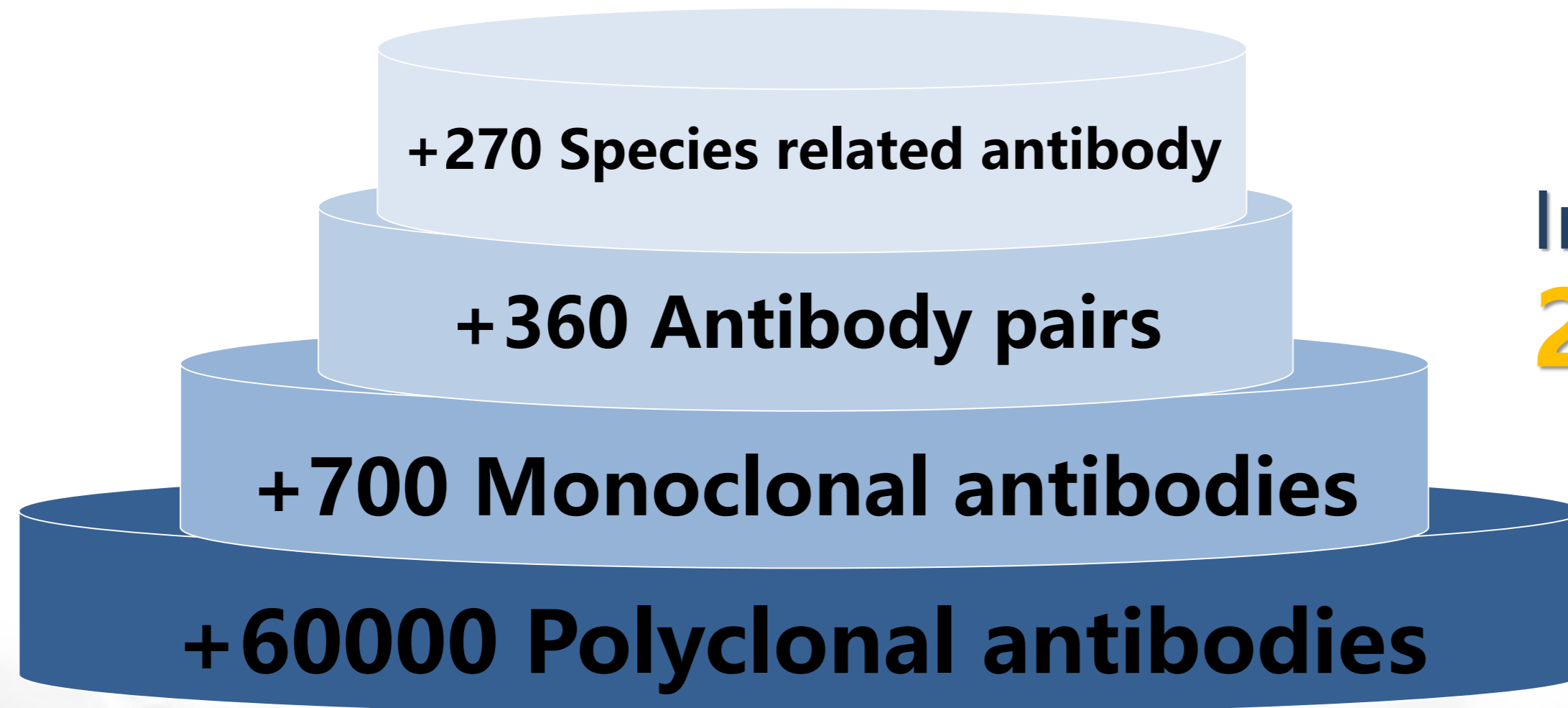
Multiple Application Validation and Quality Guaranteed

5

All the validated images reach the standard level of publication

6

Produced and validated in-house, enough stock, short lead time, constant supply

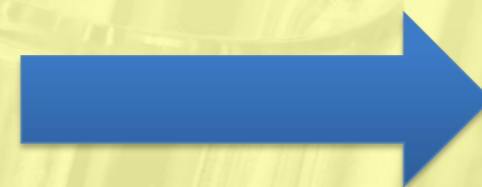


Increased by
2000/year



Feature 1

Product Variety: Huge
Development Speed: Fast



Meet customers' demands
in different research areas

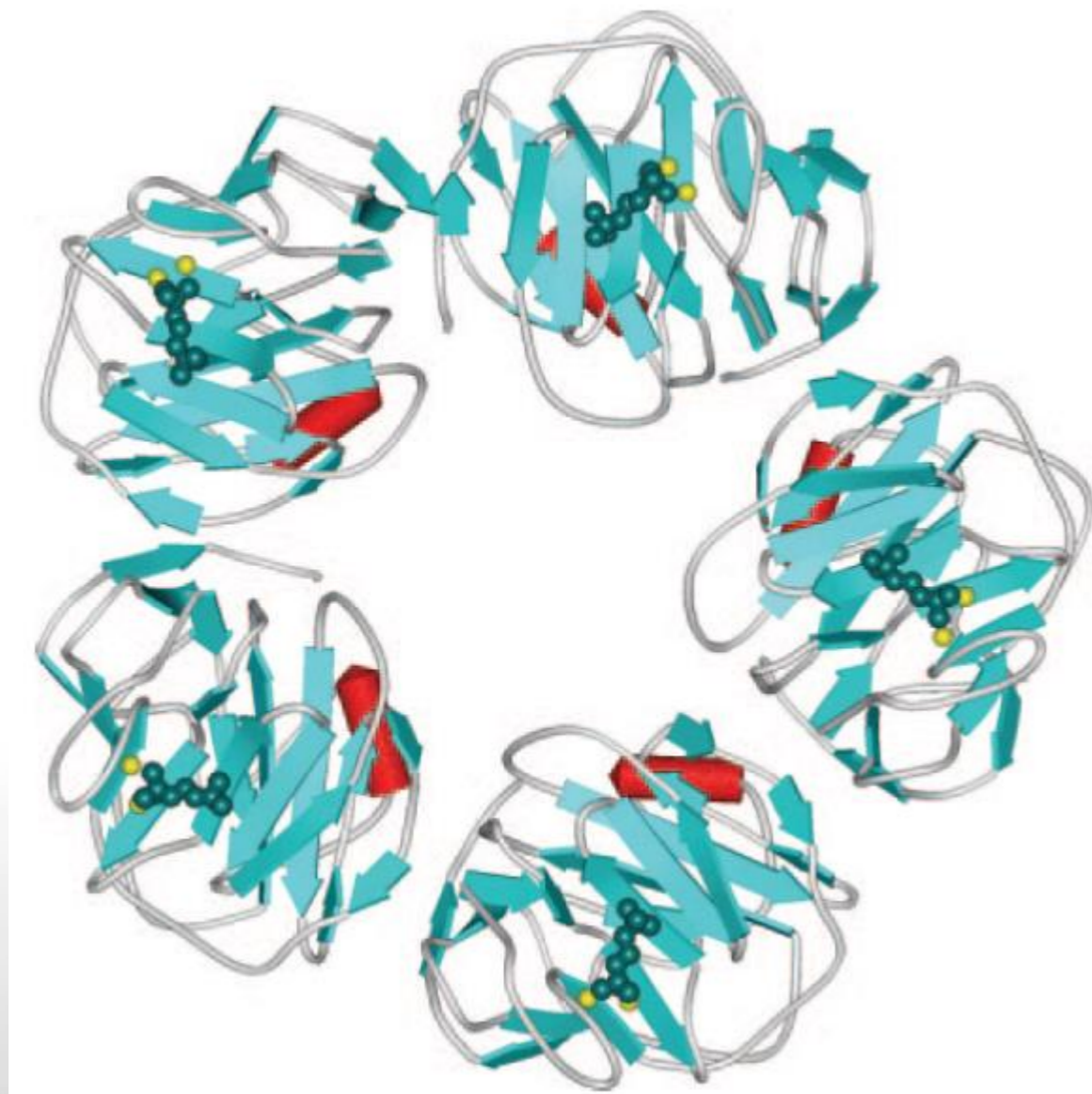
Antibody



The screenshot displays a web browser with three main pages overlaid. At the top left is the **nature.com** header. Below it is the **CellPress Science** page, which includes a navigation menu (Home, News, Journals, Topics) and a large advertisement for a **DATA STORE** with the text "Vote for your favorite data stores video!". At the top right is the **PubMed.gov** page, featuring a search bar, a "Search" button, and several sections: "Using PubMed" (with links to Quick Start Guide, Full Text Articles, FAQs, Tutorials, and New and Noteworthy), "PubMed Tools" (with links to Mobile, Citation Matchers, Clinical Queries, and Topic-Specific Queries), "More Resources" (with links to MeSH Database, Journals in NCBI Databases, Clinical Trials, E-Utilities (API), and LinkOut), "Latest Literature" (listing "Blood (10)" and "Circulation (12)"), "Trending Articles" (listing a systematic review on resistance training), and "PubMed Commons" (listing featured comments).

Feature 2

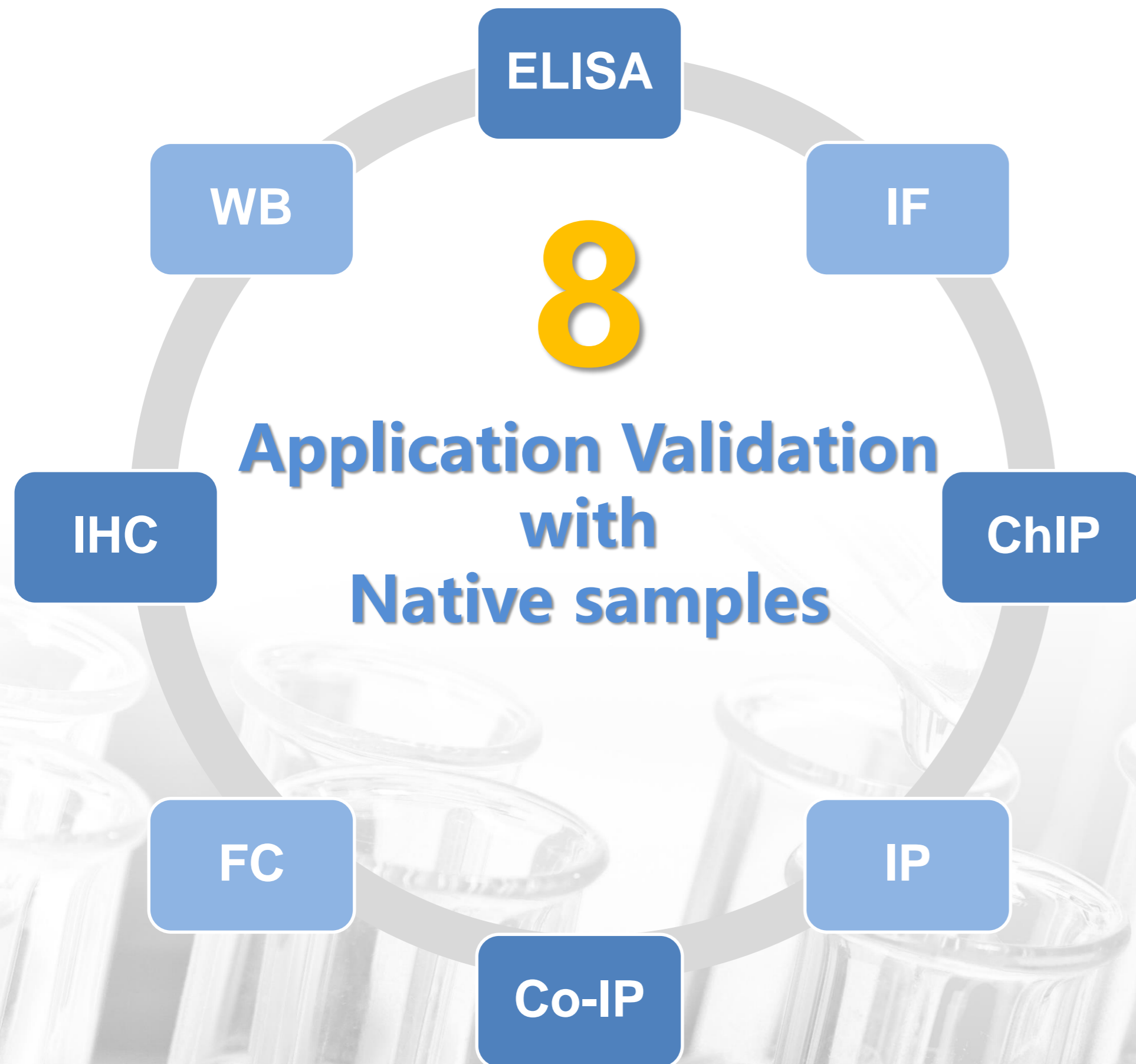
Research & Discovery of new products are based on industry hot spots and big data analysis



Feature 3

Immunogen:

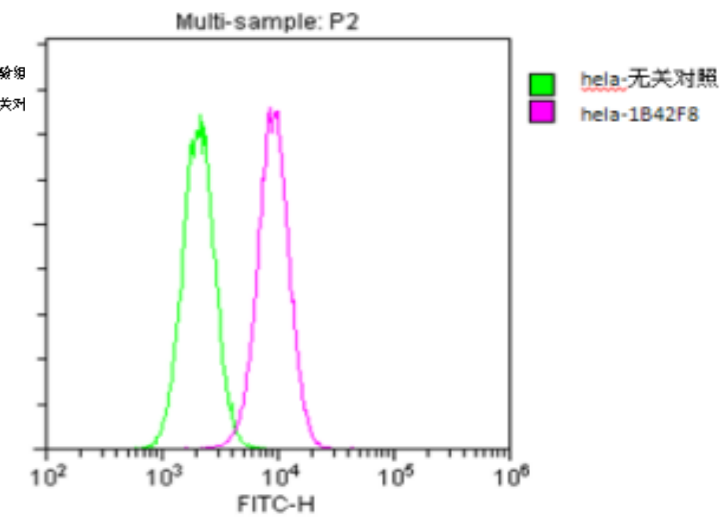
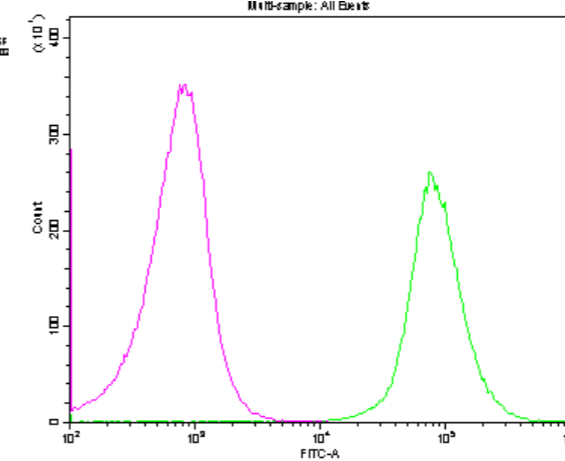
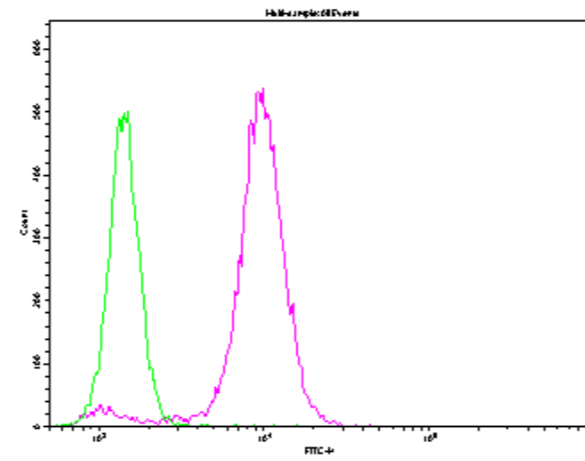
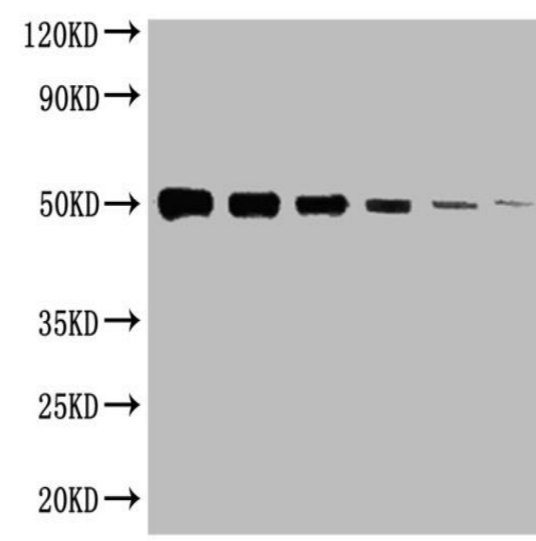
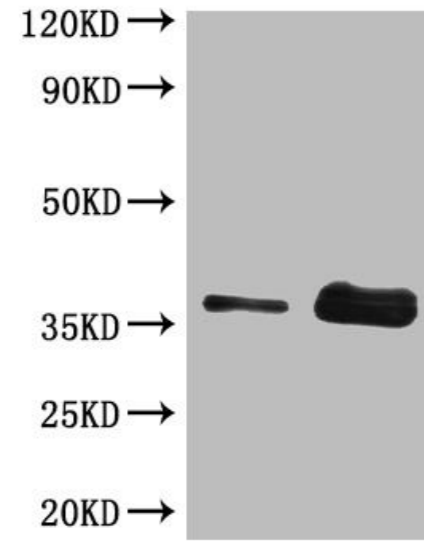
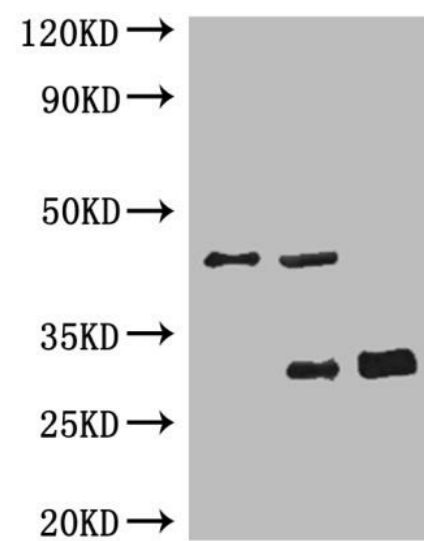
- ◆ Recombinant proteins
- ◆ Nature proteins
 - More epitope recognition,
higher specificity



Feature 4

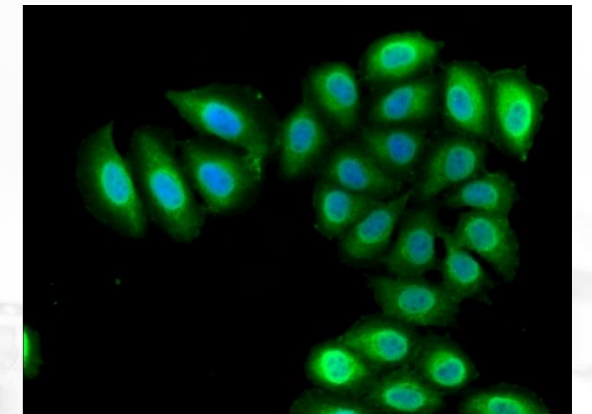
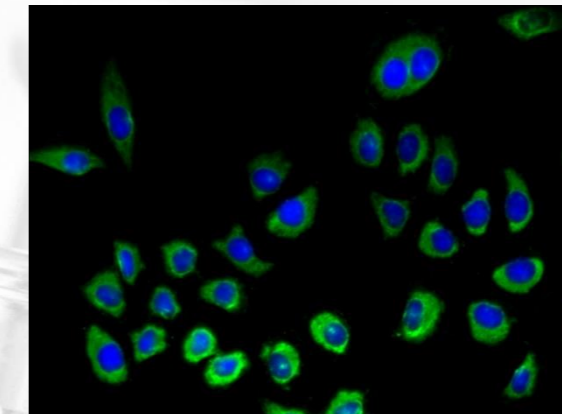
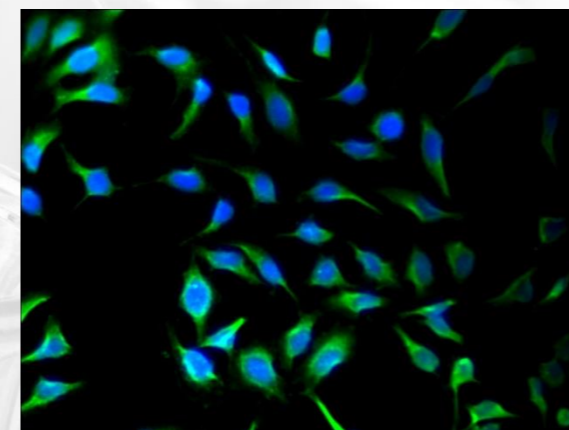
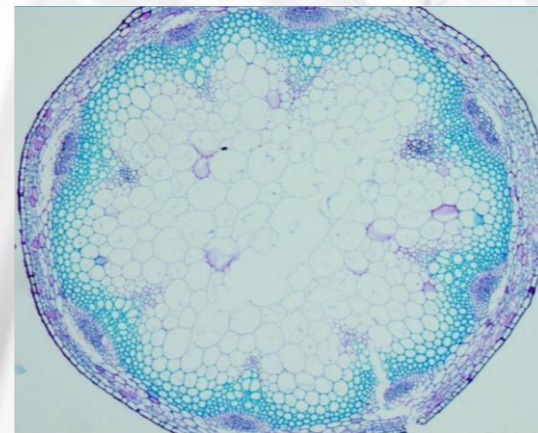
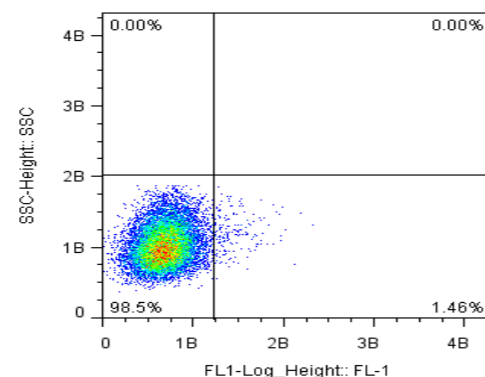
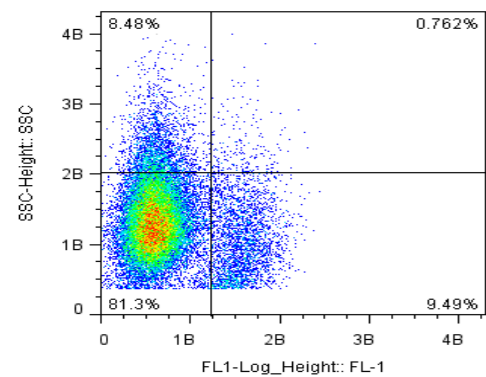
- ◆ **Multiple Application Validation**
- ◆ **Quality Guaranteed for all samples and applications that have been validated by Cusabio**
 - Effectiveness
 - Repeatability

Antibody

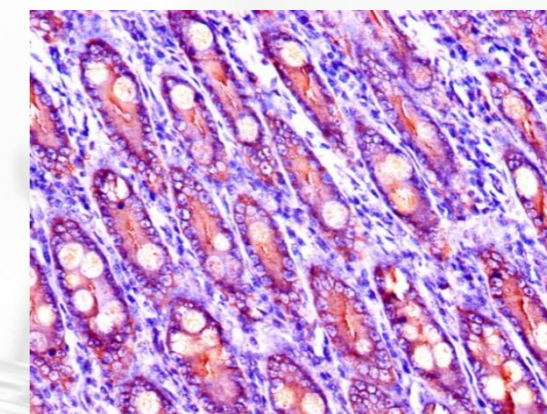
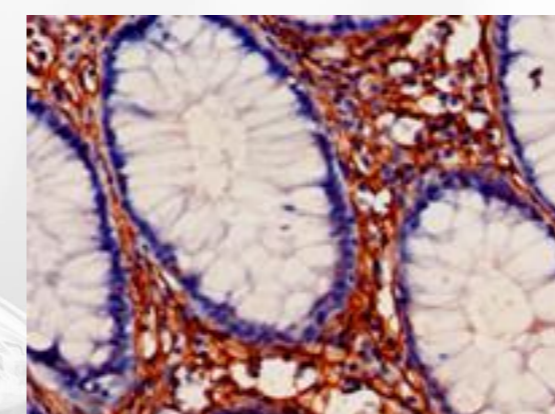
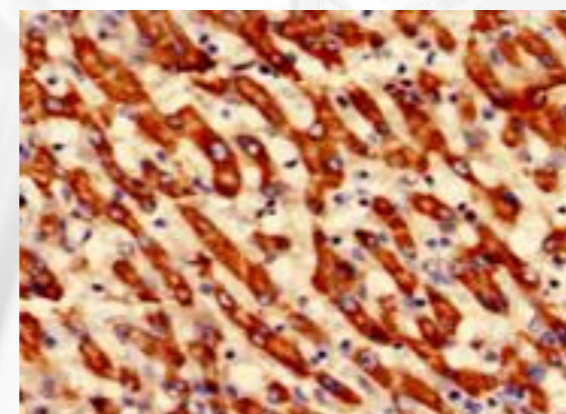
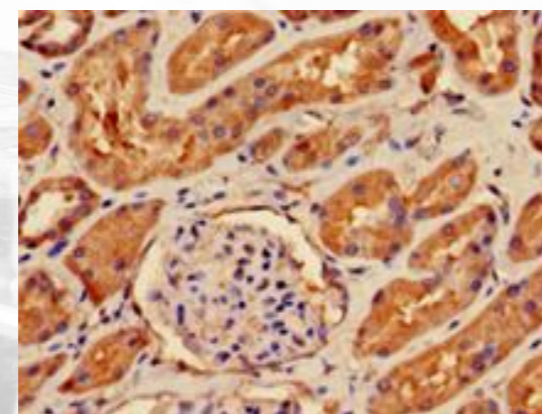
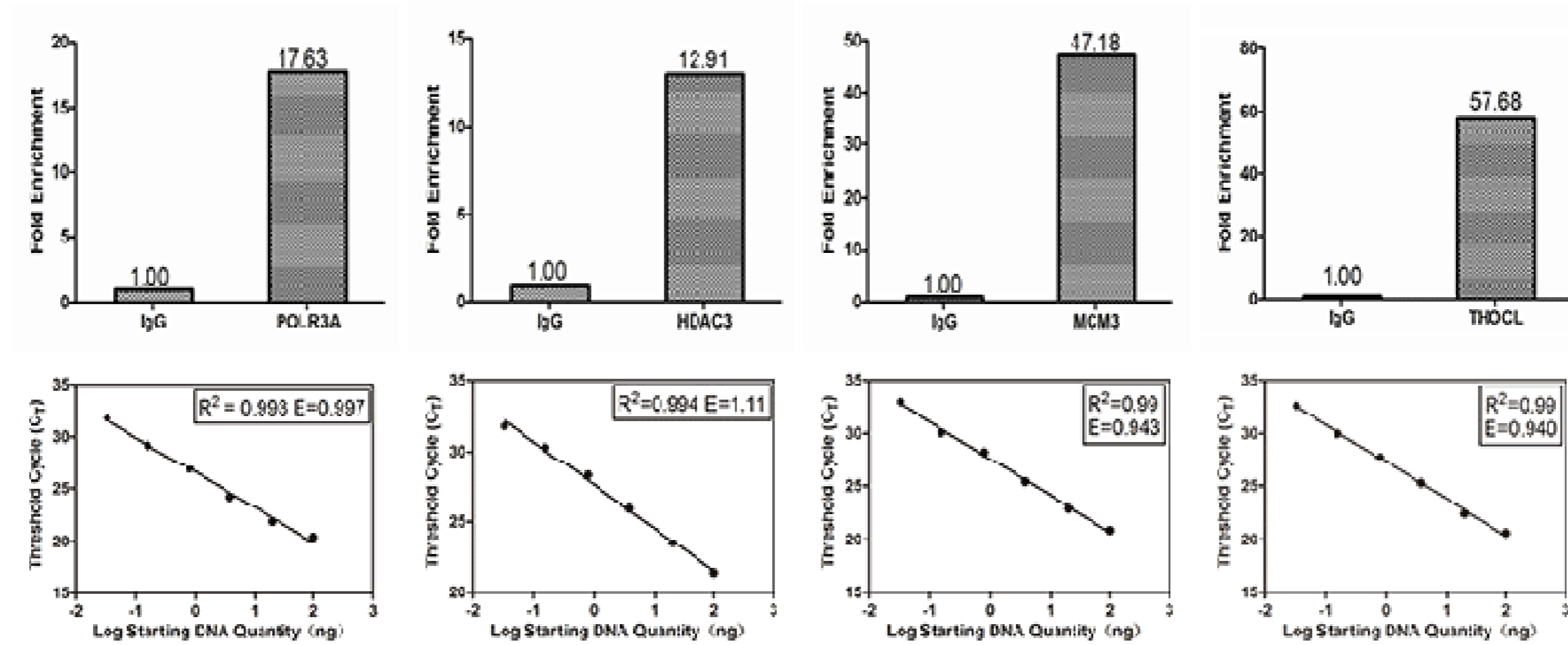


Feature 5

All the validated images reach the standard level of publication.
We can validate in other applications we have upon customers' requests.



Antibody



Antibody



Feature 6

Produced and validated in-house, enough stock, short lead time, constant supply.



03

What's new in 2018



New activity: CUSABIO Antibody promotional activity in 2018

Promotional Time:

Since 2018-04-25 to 2018-12-31

Promotional Details:

1. Cusabio antibodies are validated under strict QC standard to ensure good performance. In case that the product doesn't perform as promised in the manual, please contact us for replacement or refund.

2. Please check the another enclosed attachment in the email, all of the antibodies in the attachment are available to supply 20ug/ul trial size.

1). For retail customers, the first vial of trial size antibody is freely, the FOB price of their following trial size orders is \$49.9/vial. (The price info showed on Cusabio.com too)

2). For Distributors, the FOB price of all the trial size antibodies is \$9.9/vial.

Activity link: https://www.cusabio.com/new_antibody_promotion/

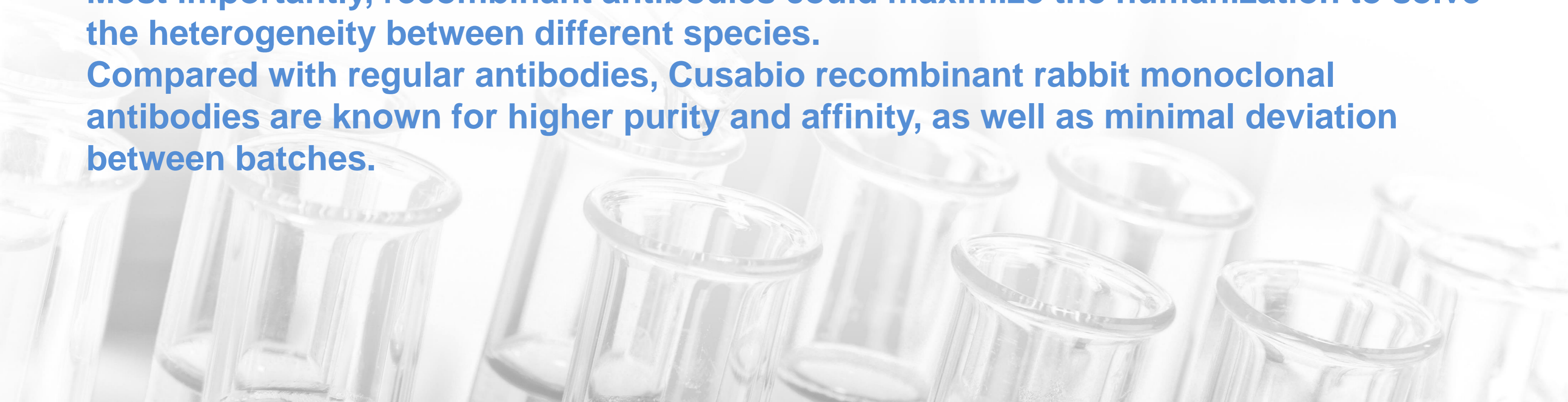
New portfolio:

1. Recombinant antibodies

URL link: <https://www.cusabio.com/catalog-61-1.html>

Recombinant antibodies refers to the application of molecular cloning and gene mutation technology to transform a gene coding sequence of an antibody to produce superior performance of antibodies, also known as genetically engineered antibodies. Most importantly, recombinant antibodies could maximize the humanization to solve the heterogeneity between different species.

Compared with regular antibodies, Cusabio recombinant rabbit monoclonal antibodies are known for higher purity and affinity, as well as minimal deviation between batches.




2. Custom antibodies

URL link: <https://www.cusabio.com/catalog-62-1.html>


CUSABIO custom antibody are put forward in Mar, 2018, and we've got lots of inquiries from customers. The mainly reason we suppose is that the targets of custom antibodies are very rare and hardly to find on the whole market.

As below is our quotation template for your inquiry



CUSABIO in the US ● **Postal Address:** 8400 Baltimore Avenue, Room 332 College Park, MD 20740
Tel : 301-363-4651 (Available 9 a.m. to 5 p.m. EST from Monday to Friday)

CUSABIO in China ● **Postal Address:** Wuhan Hi-tech Medical Devices Park, Building B11, #818 Gaoxin Road,
Donghu Hi-Tech Development Area, Wuhan, Hubei Province 430206
Tel : 86-27-87582341 **Email :** cusabio@cusabio.com **Website :** www.cusabio.com



Custom Antibody Quotation

To:
Prepared by: Sam Tong (antibody2@cusabio.com)

Service Description: Custom rabbit anti-human TTYH2 polyclonal antibody
Code: CSB-PA871565XA01HU
Species Reactivity: human

Alternative Immunogen 1: Homo sapiens (Human) TTYH2 protein isoform-1 (455-534aa)
Sequences of Alternative Immunogen 1:
SYSSGLGSQTSLQPPAQTISNAPVSEYMNQAMLFGRNPRYENVPLIGRASPPPTYSPSMRATYLSVADEHLRHYGNQFPA

Alternative Immunogen 2 : Homo sapiens (Human) TTYH2 protein isoform-1 (411-534aa)
Sequences of Alternative Immunogen 2:
PRAWKHFTTRNRDYDDIDDDDPFNPQAWRMAAHSPPRGQLHSFCSYSSGLGSQTSLQPPAQTISNAPVSEYMNQAMLF
GRNPRYENVPLIGRASPPPTYSPSMRATYLSVADEHLRHYGNQFPA

Antibody



For each of your inquired custom antibody, you'll see there are two options of antibody immunogen for customer to choose. Both of these two immunogen are **recombinant proteins**, their difference is the length of sequence.

Immunogen 1 is shorter, the price is relatively lower, distributor's price (FOB) is \$950.

Immunogen 2 is longer, the price is higher, distributor's price (FOB) is \$1200.

We also could supply **peptide** instead of recombinant protein as immunogen, however the quality will be lower (usually not recommend), the distributor's price (FOB) is \$850.

Antibody



All deliverables could be as below:

1. Gene sequencing report;
2. 1ml*Preimmune serum;
3. 10mg***TTYH2 antibodies** purified by Protein A/G;
4. **TTYH2 antibody** purity guarantee 90% by SDS-PAGE detection;
5. ELISA titer guarantee 1: 64,000;
6. WB positive guarantee for Antigen;

Production time: 13-16 weeks

Distributor Price for Alternative Immunogen 1: \$950

Distributor Price for Alternative Immunogen 2: \$1200

Notes: In theory, the longer expression region of immunogen, the higher immune activity and more epitope as well, thereby producing the purified antibodies with better specificity.

But it is more difficult to produce the immunogen with longer expression region, thus the production costs is more expensive as well.

Anyway, the custom antibodies deriving from **alternative immunogen 1** also is a good choice if customers' budget is limited.

Quality Guarantee

Cusabio guarantees the custom antibodies could be specific for immunogen in western blot analysis.

As you known, antigen preparation and antibody purification are everything for any certain antibody, actually, we have been specialized on producing proteins and antibodies for many years, so we are confident that we could offer the high quality antibodies that you are desiring.

Most importantly, we have 100% quality guarantee for our antibodies, so it is risk-free for you to purchase any in-stock or custom antibodies from Cusabio.

1. Compared with custom antibodies from other manufacturers, our advantages are:

1) We supply 10mg quantity, rather than 3-5 mg quantity.

2) ELISA titer guarantee 1: 64,000

3) WB positive guarantee for Antigen (Usually other brands can't guarantee)

Antibody



2. Lead time: 13-16 weeks

The manufacture time of custom antibodies we need is 13-16 weeks, it's same with other brands in the whole industry.

However, the long lead time is a killer. So we need to make sure if the customer is acceptable to custom service and wait.

3. Payment terms

As it's a custom service, so we only charge 50% of amount as deposit to begin the manufacture.

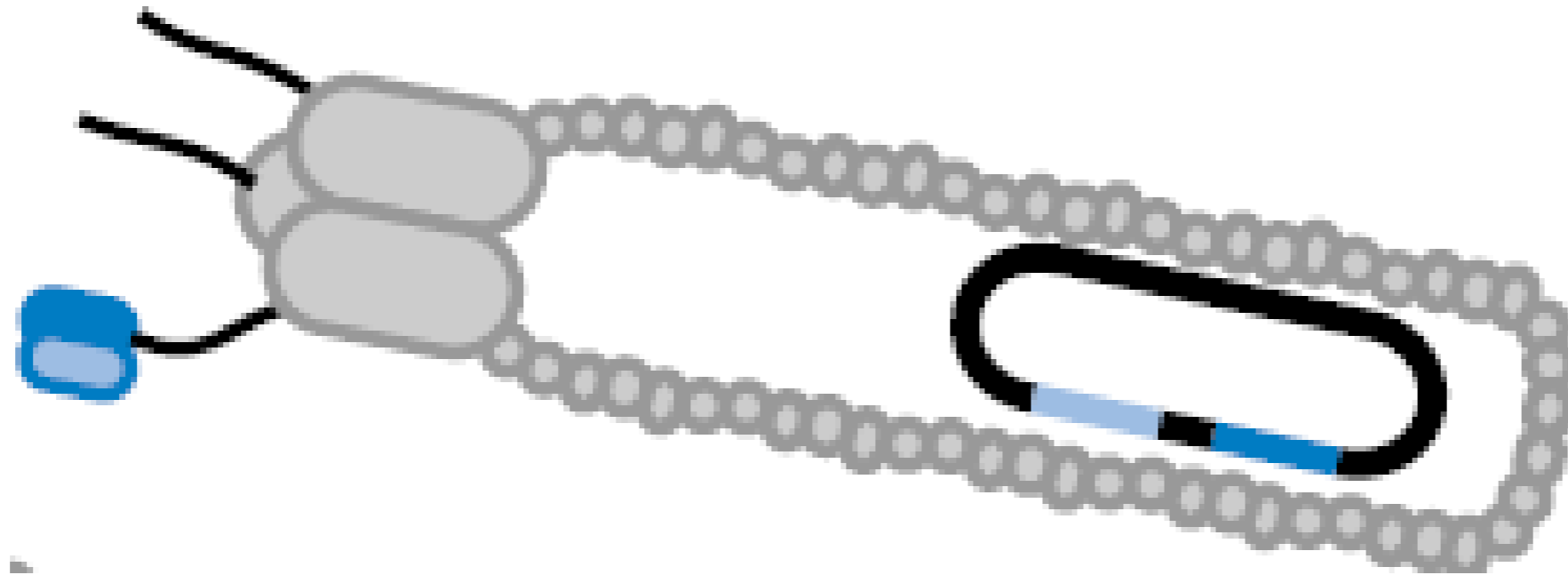
If it success, we will show customer the COA of antibody to check. After the confirmation from customer, we charge the balance payment to ship out.

In the case that it failed, we will refund the deposit to customer.

Antibody



3. CUSABIO Phage Display Service (Antibody Phage Library)



1). CUSABIO LLC has been specialized in applying advanced phage display technologies for a wide range of service projects. With years of experience, we can offer high-quality phage display library construction and custom phage display library screening services to meet your various demands precisely. We are confident that our phage display technologies could allow you have new opportunities in immunotherapy, drug discovery, and functional genomics.

2). Introduction of Phage Display Technology

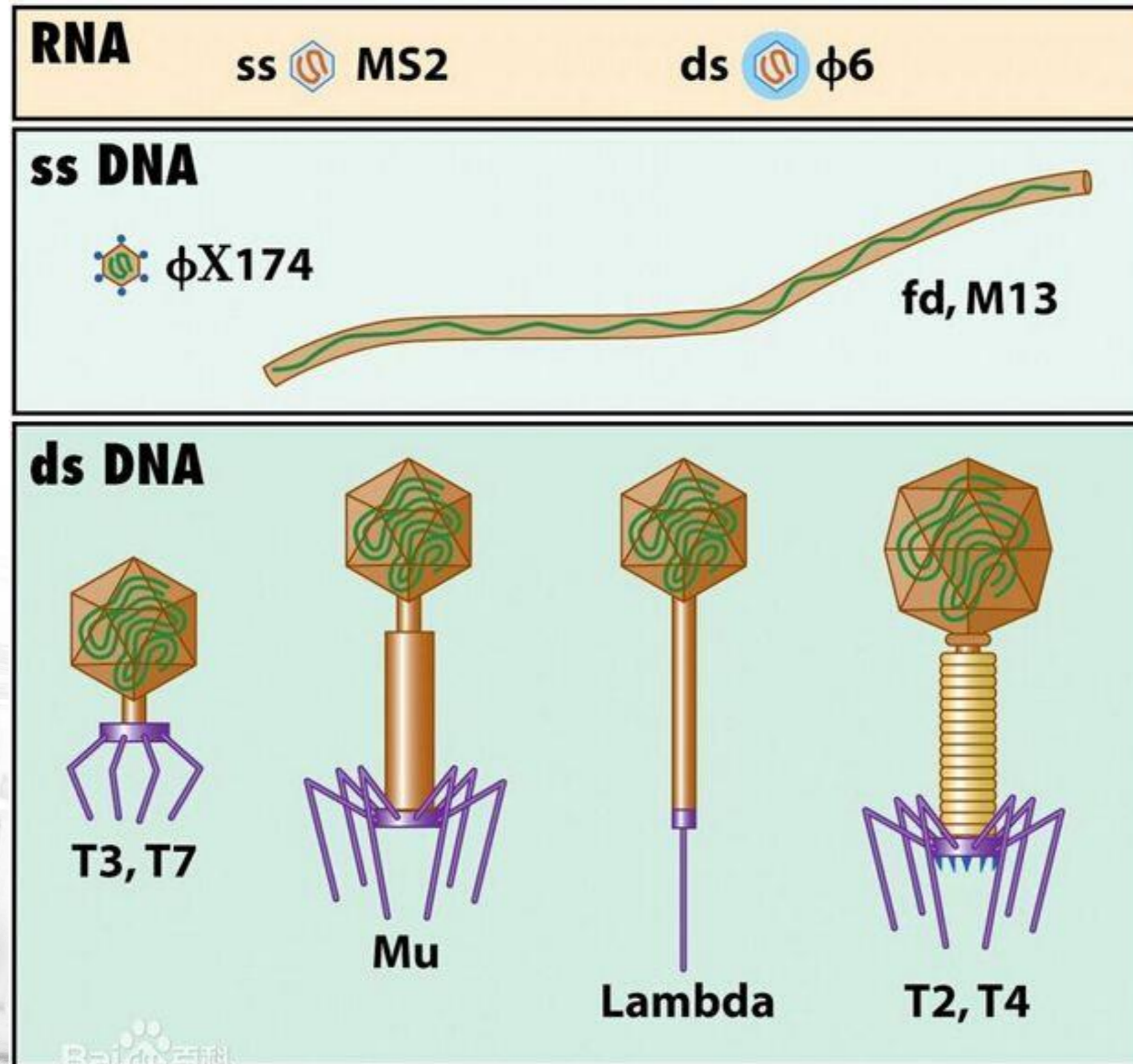
Phage display is the technology that inserts the DNA sequence of foreign protein or peptide into the appropriate position of phage coat protein structural gene, so that the exogenous gene can be expressed along with the expression of phage coat protein itself. Meanwhile, the foreign protein also can be shown in the surface of phage coat protein following the reassembly of phage. In short, a phage library expressing a wide diversity of peptides or proteins is used to select those binding the desired targets.

3). Classification of Phage Display Systems

Based on different phages, vectors or libraries, the phage display systems could be divided into various types, details as follows.

Antibody

Based on Different Phages → M13, f1, fd
T7, T4, lamda



Antibody



Based on Different Libraries → cDNA Library
Antibody Library
Protein Library
Random Peptide Library

Based on Different Vectors → Viral vector
Phagemid



Antibody



What phage display services could CUSABIO LLC offer to you?

1. Phage Display Library Construction

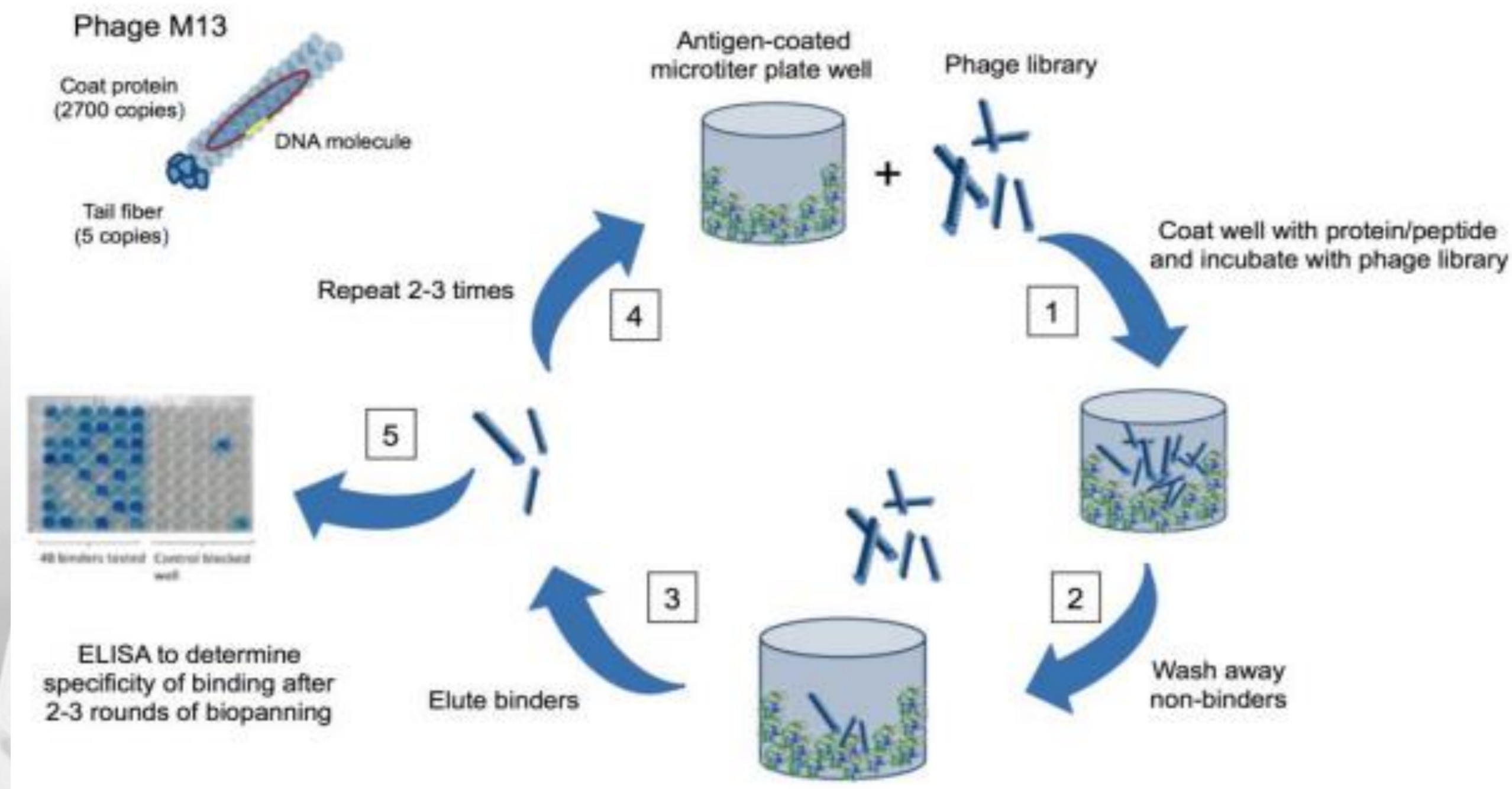
The phage display library technology refers to the clone and expression for variable region genes of all antibodies from a certain animal in a plasmid or phage, then screen clones carrying specific antibody genes via different antigens, thereby, to obtain corresponding specific antibodies or peptides.

CUSABIO is committed to offering quality services of antibody library construction as well as peptide library construction to customers.

Antibody

2. Phage Display Library Screening

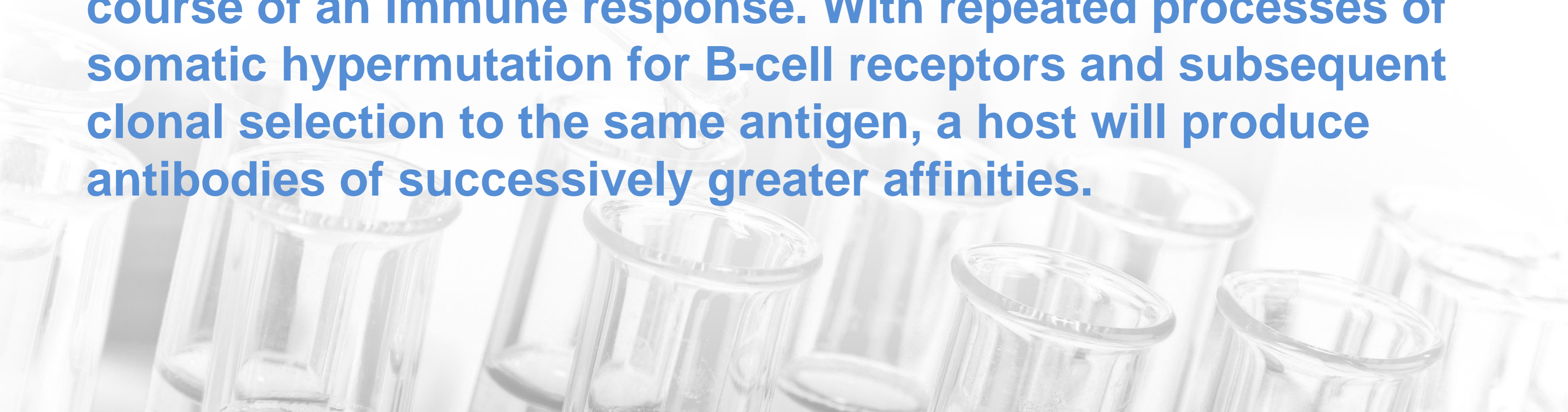
CUSABIO is mainly engaged in offering quality and personalized services of antibody library screening as well as peptide library screening to meet customers' various demands.



3. Antibody Humanization & Affinity Maturation

Humanized antibodies are antibodies from non-human species whose protein sequences have been modified to increase their similarity to antibody variants produced naturally in human beings.

As for affinity maturation, which is the process to increase their affinity for a particular antigen via their B cells during the course of an immune response. With repeated processes of somatic hypermutation for B-cell receptors and subsequent clonal selection to the same antigen, a host will produce antibodies of successively greater affinities.



Antibody



For antibody inquiries, please feel free to contact email:
sales@2BScientific.com

We'll be glad to receive and collect your questions, thank you!

