

HUABIO

**High-Quality Antibodies.
Premium Service.**

Custom Service

Rabbit Monoclonal Antibody Service
Mouse Monoclonal Antibody Service
Rabbit Polyclonal Antibody Service
Protein Expression and Purification Service

Antibody

Research Antibodies
IHC Antibodies
Anti-Payload Antibodies
Matched Antibody Pairs
Nanobodies
Magnetic Beads

Recombinant Protein

Cytokines, Chemokines and Growth Factors
Receptors and Cell Surface Markers
Signaling Proteins

ELISA Kits

Tumor Research
Cardiovascular Research
Immunity & Inflammation Research

Hangzhou HuaAn biotechnology Co.Ltd (referred to as "HUABIO") was founded in 2007. Our research and development base is located in Hangzhou, China, and we have a marketing team and warehouse in the United States. HUABIO is dedicated to developing curated, high-quality antibodies that advance innovation. We combine the recombinant technology platform with aggressive validation tests in order to produce the most reliable antibodies. HUABIO provides wide range of products that covers recombinant rabbit monoclonal antibodies, mouse monoclonal antibodies, alpaca antibodies, anti-payload antibodies, ELISA kits and matched antibody pairs, and recombinant proteins. Our custom services include antibody development, bulk antibody production, antibody conjugation, and hybridoma production.

We're passionate about the accuracy, efficiency, and consistency of our products.

>50,000+ Customers >3000+ Research teams >20+ Countries >10,000+ Cited publications

Custom Service

Antibody Discovery Platform

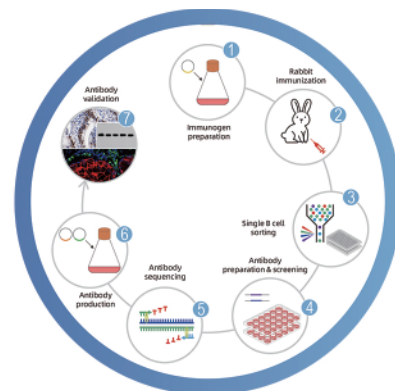
Platforms	Capability/Advantages
Rabbit single B cell cloning platform	<ul style="list-style-type: none"> ● Prokaryotic proteins/Eukaryotic proteins/Peptides/Others can be prepared as immunogens ● High affinity ● Diverse antibodies ● 2 weeks to get antibody supernants for screening ● >70% PCR VH/VL matching rate, >40% total ELISA-positive rate.High-throughput and comprehensive application screening platforms
Rabbit polyclonal antibody platform	<ul style="list-style-type: none"> ● PTM antibodies (met-, acetyl-, Lactyl-, phospho-.....) ● Idiotypic antibody ● Small molecule antibody
Mouse hybridoma platform	<ul style="list-style-type: none"> ● Antigen-binding antibody screening ● Low cost to get hybridoma cells ● Options: Ascites preparation and purification <p>Hybridoma antibody sequencing</p>

Rabbit Single B Cell Cloning Platform

HUABIO's HiMab™ technology is able to generate a large number of high-quality rabbit mAbs within three months. Our rabbit mAb discovery technology involves sorting, cloning of rabbit B cells, and high throughput (HTP) antibody production. HiMab™ platform generates high-specificity, high-affinity mAbs towards a wide range of difficult targets such as small molecules, antibody drugs, and protein post-translational modifications (PTMs).

Process

- 1 Immunogen preparation
- 2 Rabbit immunization
- 3 PBMC isolation and Single B cell sorting
- 4 Small scale antibody preparation and screening
- 5 Antibody sequencing
- 6 Scalable expression of selected antibody
- 7 Antibody validation



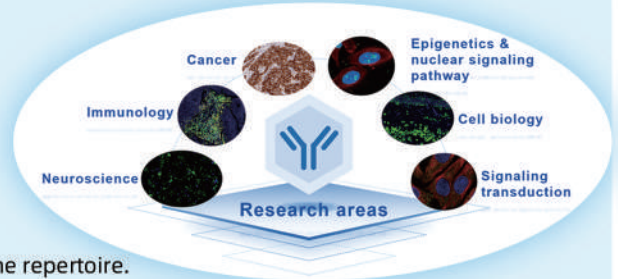
Antibody

Research Antibodies

Antibodies, also known as immunoglobulins, are a protective protein component secreted by effector lymphocytes in the immune system characterized by the "Y" structure. We are dedicated to providing 14000+ high-quality antibody products consisting the main targets of hot research areas such as HER2, PAX8, p16, CD markers , etc.

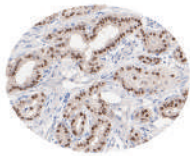
The advantages of research antibodies :

- 5 pillars of antibody validation;
- Bench mark(BM) validation: QC detection compared with competitors;
- Better specificity and sensitivity;
- Lot-to-lot consistency;
- Animal origin-free formulations;
- Broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.



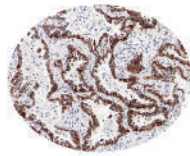
IHC Antibodies

Our team has rich experiences in the production of IHC antibodies associated with tumour researches to identify the expression of target protein in the specific cell.



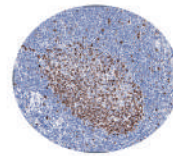
PAX8

Nucleus of human thyroid cancer



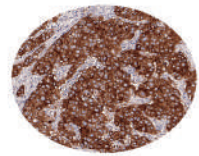
Cytokeratin 7

Cytoplasm of human lung cancer



Ki67

Nucleus of human tonsil



HER2

Membrane of human breast carcinoma

The advantages of IHC antibodies :

● Higher specificity

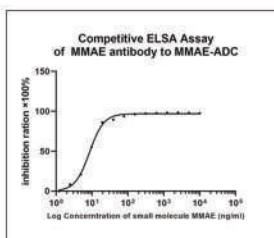
● Higher affinity

● Validated by tissue microarray

● Contain 80% hot targets

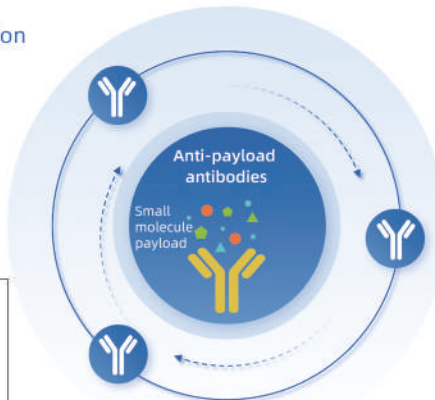
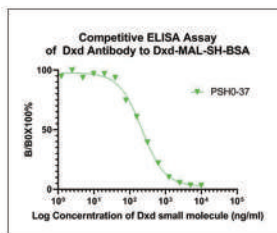
Anti-Payload Antibodies

HUABIO has successfully developed a series of anti-payload antibodies to detect small molecule payload of ADC drugs.



Tubulin polymerization inhibitor

MMAF, MMAE

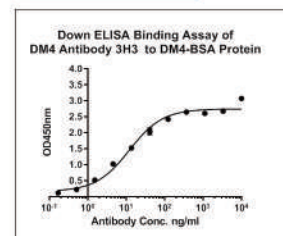


Dxd, SN38

DNA topoisomerase I inhibitor

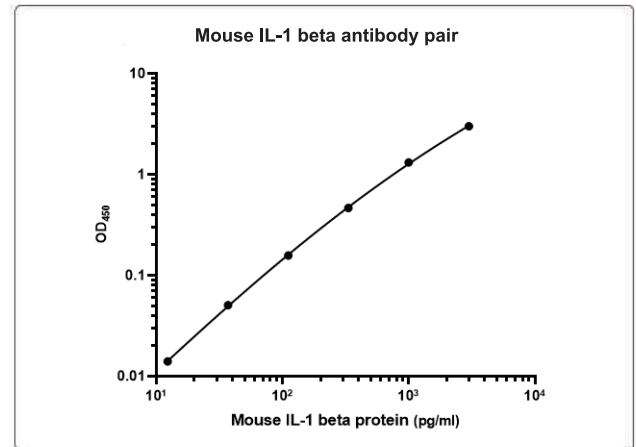
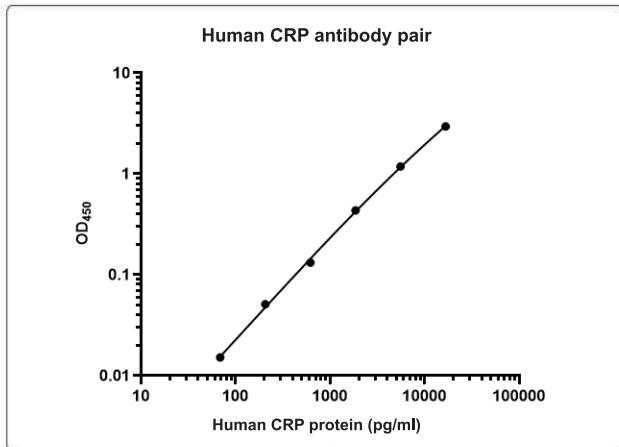
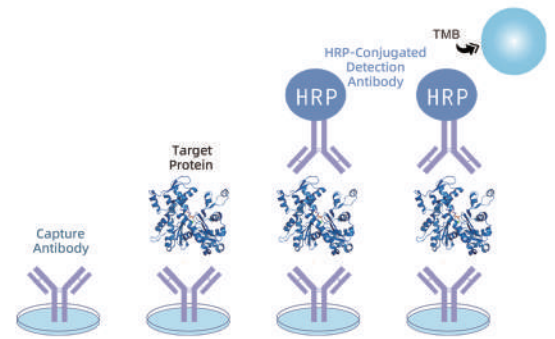
Microtubulin inhibitor

DM1, DM4



Matched Antibody Pairs

HUABIO's experienced R&D and production team have provided matched antibody pairs based on professional monoclonal antibody technology platform. Matched antibody pairs are widely used in Sandwich ELISA, chemiluminescence and immunochromatographic assays.



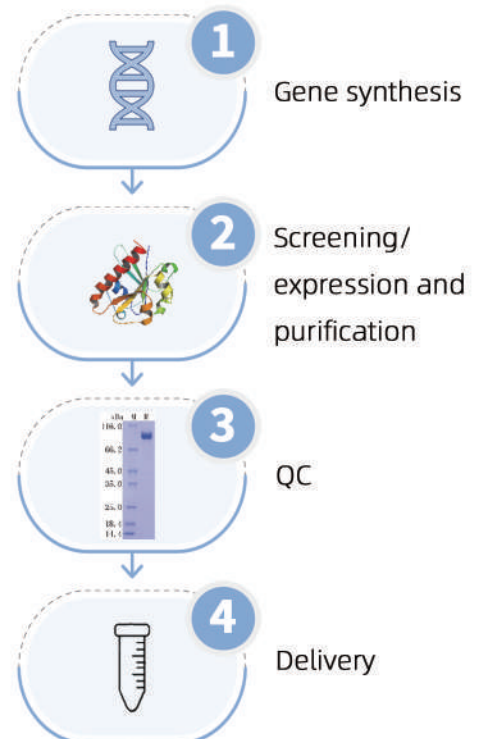
Recombinant Protein

HUABIO provides optimized protein expression system compared with traditional eukaryotic protein expression system to provide a series of high-quality and reliable immunogen, active proteins for cell culture, as well as standard protein for matched antibody pairs.

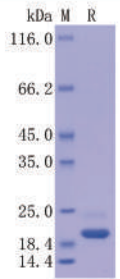
Optimized Mammalian Expression Platform

- **Optimized** expression vector and condition
- **Transient** expression
- **High** expression yield
- **>85%** expression success rate
- **High** purity (>90%)
- **Affordable** with **short** turnaround time (4 weeks)
- **2000+** proteins delivery
- **16+** years of experience
- **Animal-free** cell culture media

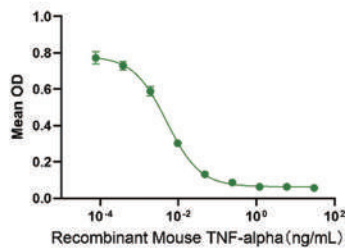
Our workflow



Product 1. Mouse TNF-alpha, C-His, Flag Tag (HA210527)

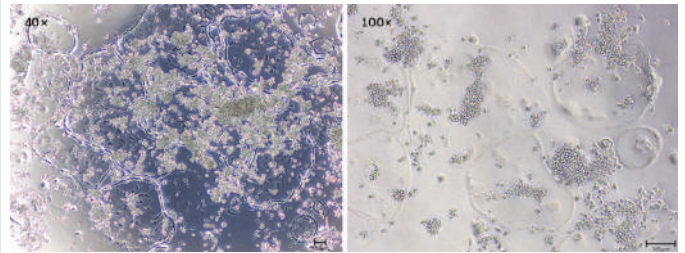


Protein on SDS-PAGE under reducing (R) condition.



Measured in a cytotoxicity assay using L-929 mouse fibroblast cells in the presence of the metabolic inhibitor actinomycin D. The ED50 for this effect is 4-20 pg/mL.

Product 2. Mouse TRANCE/RANK L/TNFSF11, N-GST, His Tag (HA210876)



50ng/mL Recombinant Mouse TRANCE/TNFSF11/RANK L induces osteoclast differentiation of the RAW 264.7 mouse monocyte/macrophage cell line at day5.

ELISA Kits

HUABIO has successfully developed a series of ELISA kits with higher sensitivity, precision and accuracy compared with competitors. ELISA kits are widely used for the detection of protein, cytokines, growth factors, chemokines, SARS-CoV-2 related protein and antibodies.

The Advantages of HUABIO ELISA Kits



Fully ready to use



Excellent performance

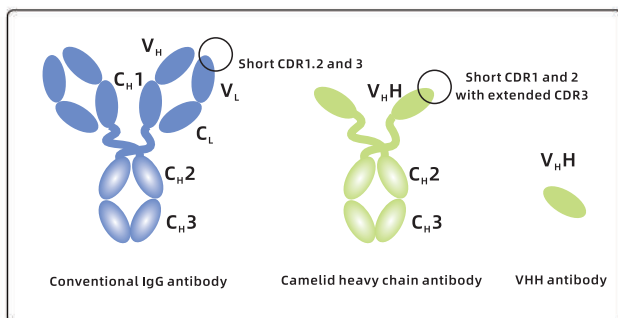


Time-saving:
reduce work by 30%






Nanobody

Nanobody is the smallest known antibody (12-15 kDa), which is identified as antigen binding domains or variable domains (VHHs) of heavy chain antibodies from alpaca, llama or camel. HUABIO has successfully developed a series of nanobodies- associated reagents which provide a higher level of performance than traditional IgG antibodies in immunoprecipitation, immunofluorescence, living cell imaging, biosensor detection and protein purification.



The Advantages of Nanobodies

-  High lot-to-lot consistency
-  Increased sensitivity
-  High affinity
-  Animal-free production

Featured Products

Target name	Product name	Catalog#	Tested applications
Nanoselector			
C-His	C-His tag Nanoselector Agarose	HA710174	IP,CHIP,MS,Purification
GFP	GFP Nanoselector Agarose	HA710003	IP,Co-IP,Mass Spectrometry,CHIP
	GFP Nanoselector Magnetic beads	HA710169	IP,CHIP,MS,Purification
GST	GST Nanoselector Agarose	HA710006	IP,Co-IP,Mass Spectrometry,CHIP
HA	HA tag Nanoselector Agarose	HA710007	IP,Co-IP,Mass Spectrometry,CHIP
Halo	Halo Nanoselector Agarose	HA710173	IP,CHIP,MS,Purification
MBP	MBP Nanoselector Agarose	HA710171	IP,CHIP,MS,Purification
mNeogreen	mNeogreen Nanoselector Agarose	HA710172	IP,CHIP,MS,Purification
Mouse IgG	Mouse IgG Nanoselector Agarose	HA710175	IP,CHIP,MS,Purification
mWasabi	mWasabi Nanoselector Agarose	HA710164	IP,CHIP,MS,Purification
Rabbit IgG	Rabbit IgG Nanoselector Agarose	HA710167	IP,CHIP,MS,Purification
RFP	RFP Nanoselector Agarose	HA710004	IP,Co-IP,Mass Spectrometry,CHIP
	RFP Nanoselector Magnetic beads	HA710168	IP,CHIP,MS,Purification
SNAP	SNAP tag Nanoselector Agarose	HA710165	IP,CHIP,MS,Purification
TagFP	TagFP Nanoselector Agarose	HA710170	IP,CHIP,MS,Purification
turboGFP	turboGFP Nanoselector Agarose	HA710005	IP,Co-IP,Mass Spectrometry,CHIP
V5	V5 tag Nanoselector Agarose	HA710166	IP,CHIP,MS,Purification
	V5 tag Nanoselector Magnetic beads	HA710002	IP,CHIP
Primary Antibodies			
BCMA	BCMA, AlpHcAbs® Human	HA710324	ELISA,FC
CD154	CD154, AlpHcAbs® Human	HA710332	ELISA,FC
CD16a	CD16a, AlpHcAbs® Human	HA710339	ELISA,FC
CD19	CD19, AlpHcAbs® Human	HA710342	ELISA,FC
CD33	CD33, AlpHcAbs® Human	HA710344	ELISA,FC
CD38	CD38, AlpHcAbs® Human	HA710331	ELISA,FC
CD7	CD7, AlpHcAbs® Human	HA710330	ELISA,FC
CD70	CD70, AlpHcAbs® Human	HA710335	ELISA,FC
Claudin-18	Claudin-18, AlpHcAbs® Human	HA710341	ELISA,FC
Claudin-18.2	Claudin-18.2, AlpHcAbs® Human	HA710340	ELISA,FC
CTLA4	CTLA4, AlpHcAbs® Human	HA710327	ELISA,FC
DLL3	DLL3, AlpHcAbs® Human	HA710326	ELISA,FC
DYKDDDDK	DYKDDDDK tag, AlpHcAbs® Mouse antibody(HRP)	HA710083	WB,ELISA
	DYKDDDDK tag, AlpHcAbs® Rabbit	HA710226	WB,ICC/IF,ELISA,IP,FC

Magnetic Beads

HUABIO has successfully developed a series of magnetic beads products with stronger capacity, higher specificity and better batch stability compared with competitors. Magnetic beads are designed for immunoprecipitation and purification of proteins for various research purposes. At present, HUABIO's magnetic beads are particularly useful for capturing and purifying DYKDDDDK/HA/Myc - fused recombinant proteins of mammalian, bacterial or plant origin.

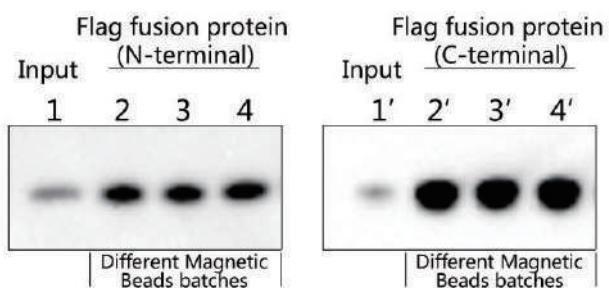
The Advantages of Magnetic Beads

- Stronger capacity
- Higher specificity
- Lower cost
- Better batch stability

Catalog#	Product name	Product form
HAK21011	Anti-DYKDDDDK Magnetic Beads	
HAK21042	Anti-HA Magnetic Beads	20% suspension
HAK21044	Anti-Myc Magnetic Beads	
HAK21024	Anti-DYKDDDDK Affinity Gel	
HAK21043	Anti-HA Affinity Gel	50% suspension

Featured Products

Anti-DYKDDDDK Magnetic Beads | HAK21011



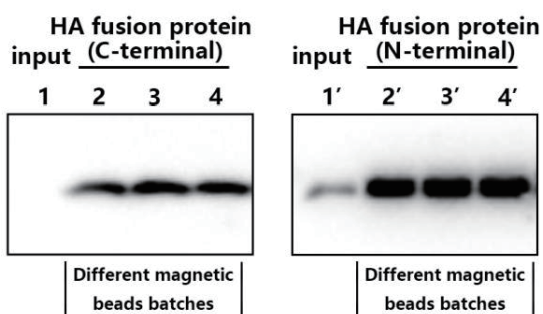
Immunoprecipitation

Purification of two different DYKDDDDK-tagged fusion protein from HeLa transfected with DYKDDDDK-fusion protein expression vector. 10ul Anti-DYKDDDDK magnetic beads was used for IP per lane.

Lane 1, 2, 3, 4: HeLa transfected with DYKDDDDK-fusion protein expression vector containing an N-terminal DYKDDDDK tag, whole cell lysate;

Lane 1', 2', 3', 4': HeLa transfected with DYKDDDDK-fusion protein expression vector containing a C-terminal DYKDDDDK tag, whole cell lysate.

Anti-HA Magnetic Beads | HAK21042



Immunoprecipitation

Purification of two different HA-tagged fusion protein from 293T transfected with HA-fusion protein expression vector. 20ul Anti-HA magnetic beads was used for IP per lane.

Lane 1, 2, 3, 4: 293T transfected with HA-fusion protein expression vector containing a C-terminal HA tag, whole cell lysate;

Lane 1', 2', 3', 4': 293T transfected with HA-fusion protein expression vector containing an N-terminal HA tag, whole cell lysate.

Global Partners



Scientific research institution



Research Institute & Affiliated Hospital



IVD company



Biopharmaceutical company



Biotechnology company



Global Journal Citation



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