



BTL Biotechno Labs Pvt. Ltd. **Authorized Channel Partner of** **KMD Bioscience Co. Ltd.**



Biotechnology Research and CRO Services

KMD Bioscience specializes in providing natural protein extraction and fermentation, customized recombinant protein expression services, monoclonal and polyclonal antibody production services, phage display library construction, and screening services to global scientists and research institutions. At the same time, based on their four mature and core technology service platforms, they have successfully developed numerous recombinant proteins, antibodies, antibody drug target proteins, industrial enzymes, diagnostic materials, and other related reagents for scientific research.

Their core technology service platforms are:

1. stable cell line screening and the basic molecular biology platform
2. Antibody Engineering Technology Platform
3. Protein Expression and Purification Service Technology Platform
4. Phage Antibody Display Technology Platform.

As a distributor of KMD Bioscience in India, we provide their complete product range, including primary antibodies, secondary antibodies, isotype control, proteins, small molecules products, molecular cloning reagents, animal disease products etc., to the scientific community at the best price.



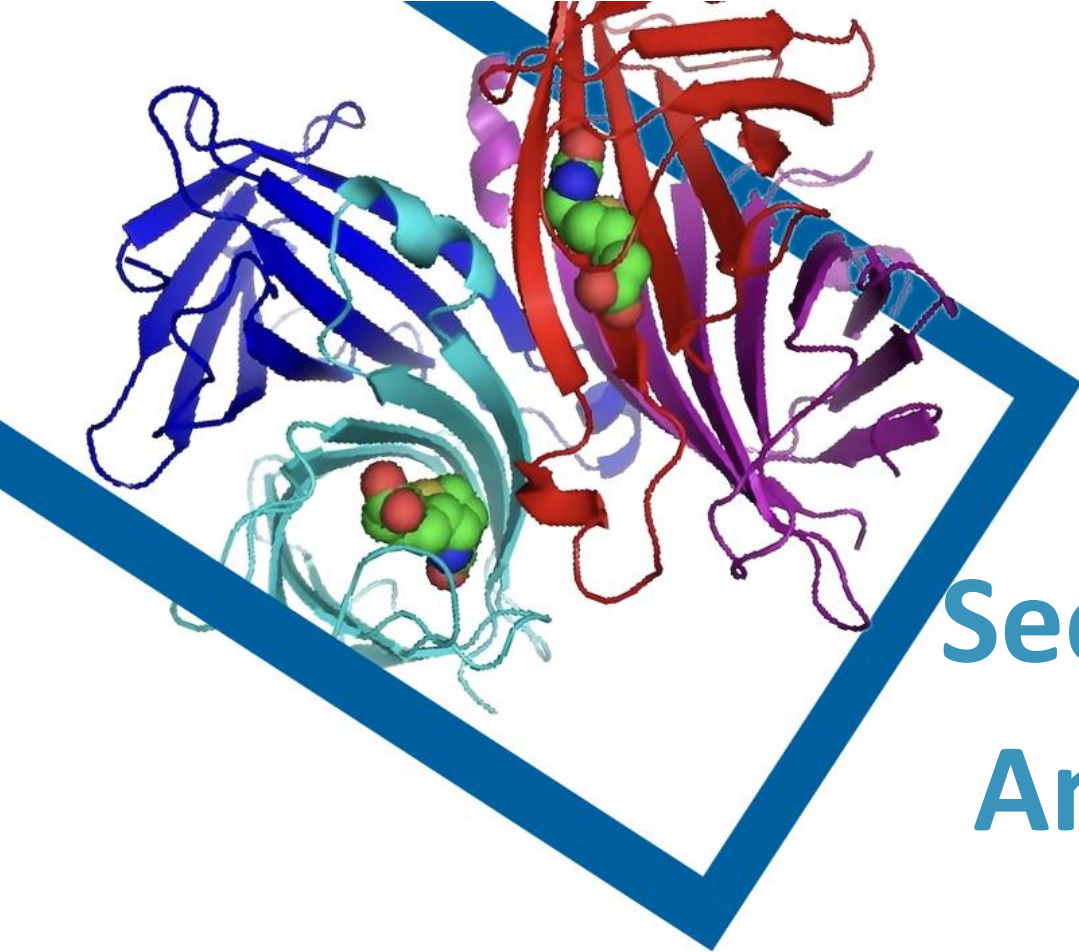


Primary Antibody

KMD Bioscience Co., Ltd. was established in Tianjin, China in 2014. The founder team has many years of experiences in human drug research and development. KMD Bioscience takes research & development as the foundation of its value and focuses on providing high-quality products and drug-antibody discovery services for global scientists, research institutes and pharmaceutical companies. As a high-tech enterprise in China, KMD Bioscience has successfully obtained the ISO9001:2015 quality management system certification and national patent pilot laboratories. At present, the company has more than 30 patents and 2 registered trademarks. KMD Bioscience provides more than 600+ technical service consulting, custom service design and project delivery for research institutes, hospitals, pharmaceutical companies and biological companies worldwide every year.

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Cat#	Product Name	Target	Host	Cross-reactivity	Applications	Size
PAV2500	Rabbit Anti-NEK3 Polyclonal Antibody	NEK3	Mouse	Rabbit	WB, ELISA	100ul
PAV4146	Rabbit Anti-TRPV1 Polyclonal Antibody	TRPV1	Mouse, Rat	Rabbit	WB, ELISA	100ul
PAV5223	Rabbit Anti-BCL-2/Bcl2 Polyclonal Antibody	BCL2	Mouse, Rat	Rabbit	WB, IHC-p, ELISA	100ul
PAV6061	Rabbit Anti-CKR-2/CCR2 Polyclonal Antibody	CCR2	Mouse, Rat	Rabbit	WB, IF, ELISA	100ul
PAV7159	Rabbit Anti-FADD Polyclonal Antibody	FADD	Mouse	Rabbit	WB, IHC-p, ELISA	100ul
PAV8484	Rabbit Anti-KNCN Polyclonal Antibody	KNCN	Mouse, Rat	Rabbit	IHC-p, WB, ELISA	100ul
MA205	Mouse Anti-Human FYN	FYN	Mouse	Human	WB, ICC	50ul, 100ul
MA215	Mouse Anti-Human TGFB1 mAb	TGFB1	Mouse	Human	WB, FC	50ul, 100ul
MA218	Mouse Anti-Human krt18 mAb	krt18	Mouse	Human	WB, ICC	50ul, 100ul
MA221	Mouse Anti-Human SMAD2 mAb	SMAD2	Mouse	Human	WB, ICC	50ul, 100ul
MA222	Mouse Anti-Human BTK	BTK	Mouse	Human	WB, IP	50ul, 100ul
MA225	Mouse Anti-Human PKM mAb	PKM	Mouse	Human	WB, IF	50ul, 100ul
MA252	Mouse Anti-Human CASP9 mAb	CASP9	Mouse	Human	WB	50ul, 100ul
MA253	Mouse Anti-Human COX4I1 mAb	COX4I1	Mouse	Human	WB, IHC, ICC, IP, FC	50ul, 100ul
MA254	Mouse Anti-Human DDX3X mAb	DDX3X	Mouse	Human	WB, ICC, IP	50ul, 100ul
MA255	Mouse Anti-Human STAT1 mAb	STAT1	Mouse	Human	WB, IP	50ul, 100ul



Secondary Antibody

KMD Bioscience Co., Ltd. was established in Tianjin, China in 2014. The founder team has many years of experiences in human drug research and development. KMD Bioscience takes research & development as the foundation of its value and focuses on providing high-quality products and drug-antibody discovery services for global scientists, research institutes and pharmaceutical companies. As a high-tech enterprise in China, KMD Bioscience has successfully obtained the ISO9001:2015 quality management system certification and national patent pilot laboratories. At present, the company has more than 30 patents and 2 registered trademarks. KMD Bioscience provides more than 600+ technical service consulting, custom service design and project delivery for research institutes, hospitals, pharmaceutical companies and biological companies worldwide every year.

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Cat#	Product Name	Species	Host	Applications	Size
SA2104	Goat Anti-Mouse IgG(H+L) pAb, FITC	Goat	Mouse	IF,FC	100ul
SA2108	Rabbit Anti-Camel IgG(H+L) pAb, HRP	Rabbit	Camel	WB,IHC	100ul
SA2113	Goat Anti-Rabbit IgG(H+L) pAb, HRP	Goat	Rabbit	ELISA,WB	100ul
SA2114	Rabbit Anti-Goat IgG(H+L) pAb, Cy3	Rabbit	Goat	IF,FC	100ul
SA2117	Rabbit Anti-Sheep IgG(H+L) pAb, HRP	Rabbit	Sheep	WB,IHC	100ul
SA2119	Goat Anti-Guinea Pig IgG(H+L) pAb, HRP	Goat	Guinea	WB,IHC	100ul
SA2123	Rabbit Anti-Chicken IgG(H+L) pAb, HRP	Rabbit	Chicken	ELISA,WB,IHC	100ul
SA2125	Donkey Anti-Goat IgG(H+L) pAb, FITC	Donkey	Goat	IF,FC	100ul
SA2126	Donkey Anti-Mouse IgG(H+L) pAb, HRP	Donkey	Mouse	WB,IHC	100ul
SA2131	Goat Anti-Rabbit IgG(H+L) pAb, Rhodamine((TRITC))	Goat	Rabbit	IF,FC	100ul
SA2132	Donkey Anti-Rabbit IgG(H+L) pAb, FITC	Donkey	Rabbit	IF,FC	100ul
SA2141	Mouse Anti-Rabbit IgG(H+L) pAb, HRP-conjugated	Mouse	Rabbit	WB	100ul
SA2146	Goat Anti-Mouse IgG(H+L) pAb, HRP	Goat	Mouse	ELISA,WB	100ul
SA2157	Mouse Anti-Rabbit IgG(H+L) pAb, HRP-conjugated	Mouse	Rabbit	WB	100ul
SA2158	Rabbit Anti-Human Immunoglobulin E PAb	Rabbit	Human	WB, IHC, ICC	100ul
SA2160	Mouse Anti-Chicken IgY(IgG) mAb	Mouse	Chicken	ELISA, POCT	1mg



Large-Scale Fermentation Services

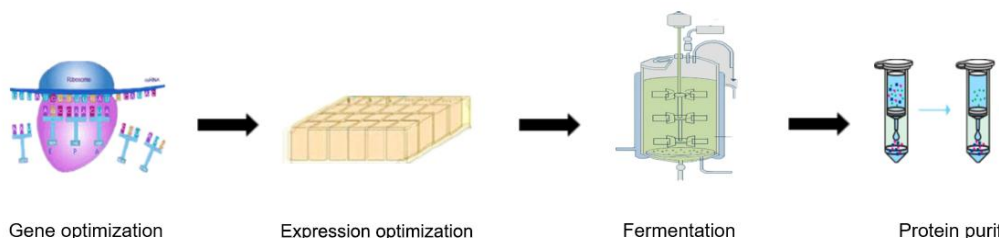
KMD Bioscience possesses mature protein expression system and advanced protein expression technology. We have various fermentation tanks, bioreactors and protein purification systems, which can provide recombinant proteins from milligram level to gram level. According to customers' specific needs, we can also offer customized expression system and fermentation protocol.

Advantages:

1. Rich experience in protein expression, development and production to the protein large-scale production.
2. Comprehensive technical services from gene synthesis and expression vector construction to protein purification and characterization.

KMD Bioscience has dedicated itself to protein expression and preparation research for years. Protein is the basic material of life. The rapid development of the protein biosimilar market and the in-depth research of proteomics witnesses the increasing demand for large-scale production of protein. KMD Bioscience has rich experience developing protein biosimilars, and has established a complete set of platforms for protein expression, protein fermentation, subsequent purification, protein lyophilization, and other one-stop protein industrial-level fermentation and lyophilization.

Large-Scale Fermentation Service Procedure



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Recombinant Protein Platform

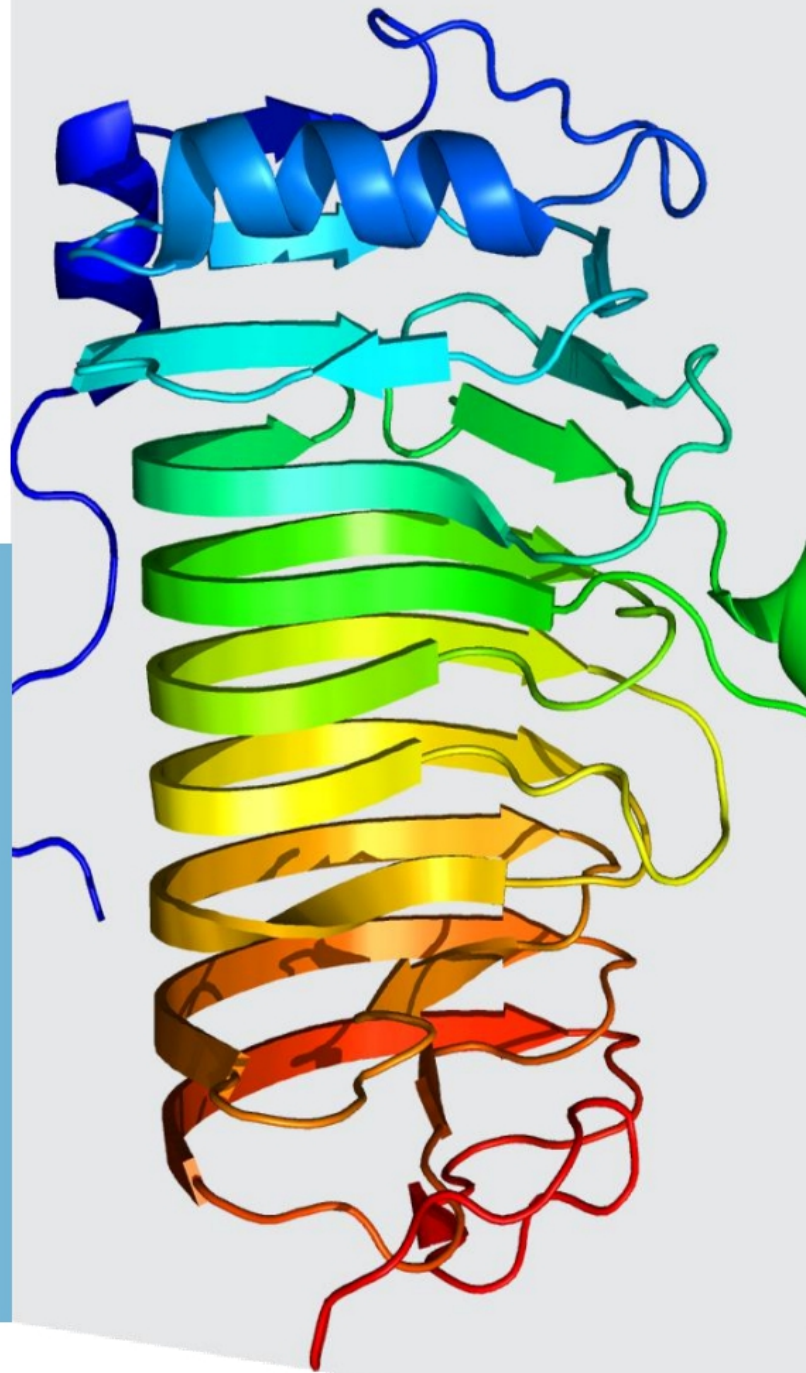
Service Highlights:

--Codon optimization: including rare codon analysis, protein hydrophilicity analysis and prediction of transmembrane domains

--A variety of fusion tag vectors and hosts to ensure high soluble protein expression and activity

--High-throughput and large-scale protein expression and production

--One-stop services, including protein purification, protein sequencing, protein labeling and related services



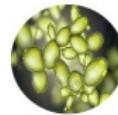
OUR BEST SERVICES

Bacterial Protein Expression



The E. coli expression system is widely used in research and development phase because of its simple structure, clear genetic background, high yield of target protein, and its short culture period.

Yeast Protein Expression



Expression of proteins in yeast is a common alternative to prokaryotic and higher eukaryotic expression, because of its low-cost media and post-translational modifications, reasonable spatial folding.

Insect Cell Protein Expression



Insect baculovirus expression vector system has been a powerful protein expression system for intracellular protein production. It has the great advantage of expressing proteins with large molecular weight.

Mammalian Protein Expression



Mammalian transient expression system, mainly use CHO cells and HEK293 cells as expression hosts, can provide flexible services which could meet different customer needs, including tag removal, endotoxin removal etc.



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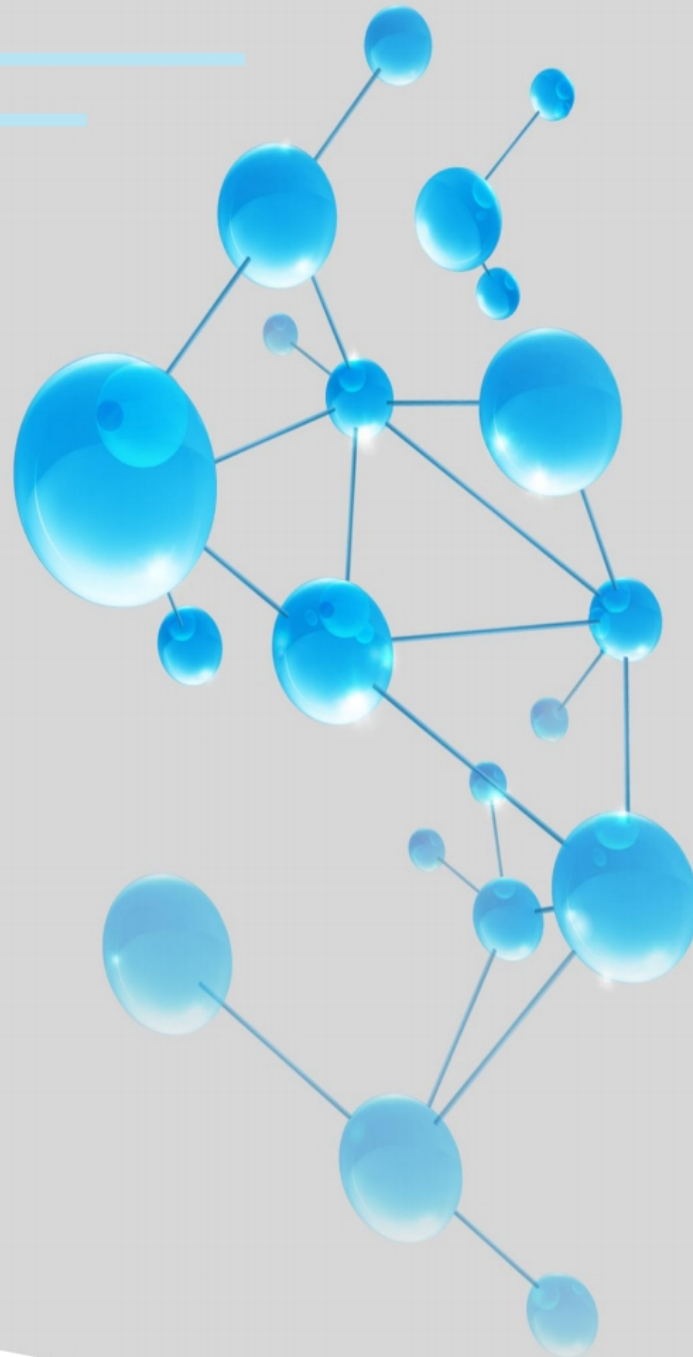


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Polyclonal Antibody Development Platform

KMD Bioscience has built up a mature antibody production platform with our well-established antibody engineering technology. A polyclonal antibody collects many immunoglobulins from different B cells that can recognize multiple epitopes on the same antigen. This ability provides superior affinity and quicker binding capability than monoclonal antibodies. With a skilled team of scientists who have worked in antibody production for decades, we can provide comprehensive custom antibody production services covering every step of polyclonal development. We have the capacity of antigen design, animal immunization, serum collection, titer analysis, and final antibody purification.



OUR BEST SERVICES

Alpaca Polyclonal Antibody Production



Alpaca antibodies can withstand elevated temperatures and a wide pH range, which makes them of great interest for basic research and therapeutic applications.

Bovine Polyclonal Antibody Production



Bovine is an unusually source to generate antibodies with exceptionally long CDR3 loops and a few variable regions, the size of these antibodies is recognized as the largest among all the antibodies identified.

Goat Polyclonal Antibody Production



KMD Bioscience has experienced immunology experts, standard operating procedures, and standard animal facilities, providing high-performance goat polyclonal antibody production services and related testing services.

Rabbit Polyclonal Antibody Production



Based on our advanced technology, KMD Bioscience is capable of providing high quality and affordable rabbit polyclonal antibody development services to meet investigators' research needs.



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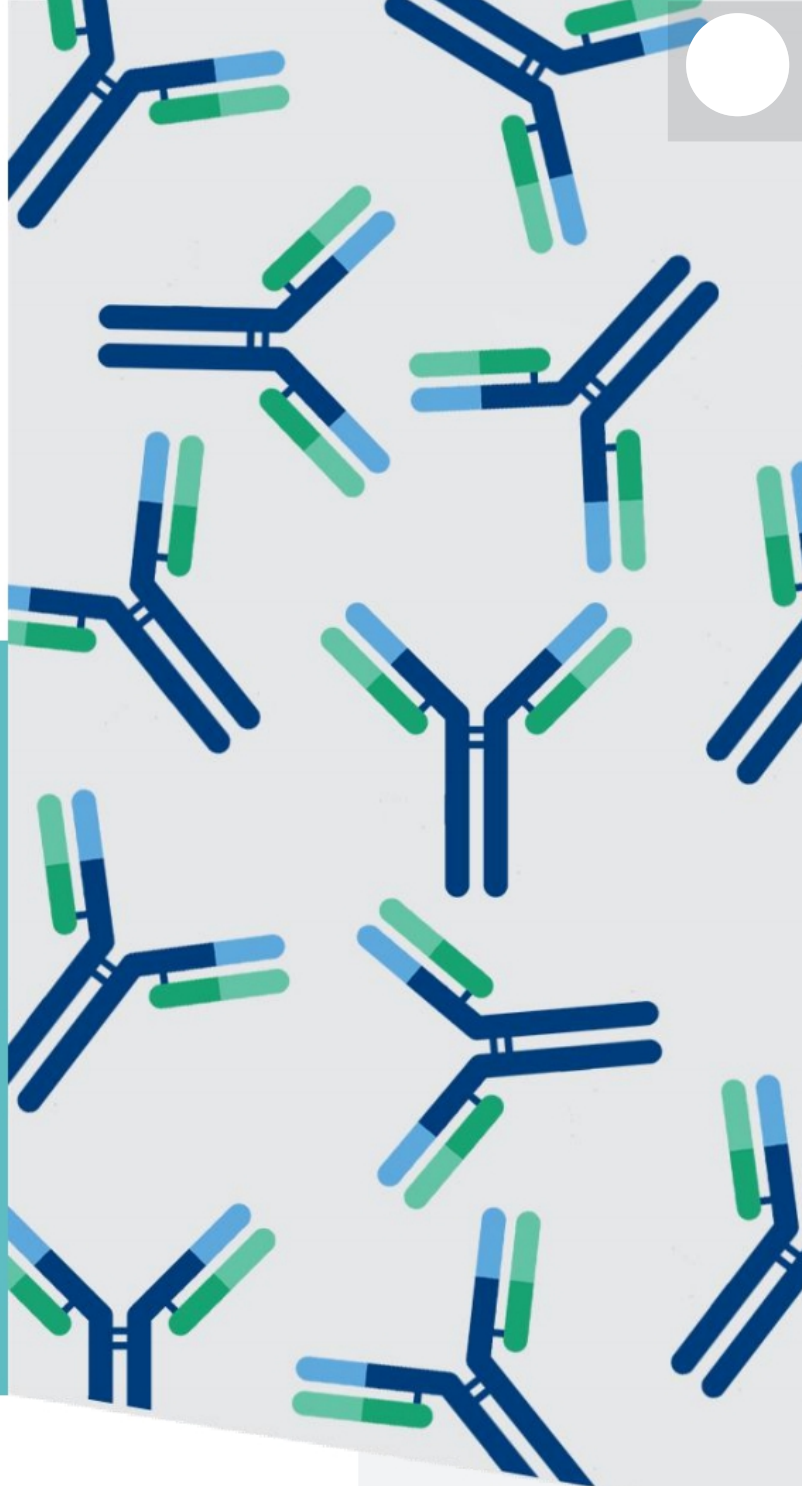
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Monoclonal Antibody Development Platform

With our upgraded antibody platform, KMD Bioscience offers one-stop antibody production services, including antigen preparation, immunization, antibody purification and QC test. We can provide two monoclonal antibody production protocols:

1. Cell fusion technique: including mouse hybridomas, mouse/rat, mouse/guinea pig cell fusion, and fully humanized hybridoma to produce monoclonal antibodies.

2. Phage display library construction technique. We can provide antigen design, peptide synthesis, gene expression, immunization, antibody purification, identification and antibody labeling services with our well-established and powerful Antibody Engineering Platform.



OUR BEST SERVICES

Human Monoclonal Antibody Production



Human monoclonal antibody production via our hybridoma-like technology: customers can provide small molecules, peptides, modified peptides, proteins, modified proteins, etc. as antigens for monoclonal antibody production.

Small Molecule Antigen & Antibody Production



KMD Bioscience is a professional provider of antibody products and related services for food safety residues and trace residues in biologics. We can provide small molecule antigen & antibody development services.

Mouse Monoclonal Antibody Production



Mouse monoclonal antibody has many features such as targeting to a single epitope, high specificity, stable passage, extensive applications in basic research, medical diagnosis, tumor therapy.

Rabbit Monoclonal Antibody Production



Rabbit antibody phage display library has many advantages, such as it can produce monoclonal antibodies with high specificity, high activity and high affinity in a short time.



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Antibody Phage Display Library Platform

Phage display technology (PDT) is a molecular diversity technology that allows the presentation of large peptide and protein libraries on the surface of filamentous phage. In 1985, Smith, G.P. proposed inserting exogenous genes into the modified phage shell protein and expressing fusion proteins containing exogenous proteins or polypeptides, called fusion phages. Through repeated adsorption-elution-amplification processes, phages that specifically bind to target proteins are screened from phage libraries.



OUR BEST SERVICES

Camelid VHH Antibody Library



The VHH antibody is characterized by an antigen-binding region containing only the heavy chain antibody. It is resistant to extreme pH environments. Meanwhile, VHH antibodies also have good adaptability.

Human scFv Antibody Library



The scFv antibody library refers to the variable region (VH and VL), especially the CDR region genes of the antibody, which forms a large number of different clones by different strategies, such as amino acid mutations, frameshift mutations.

Humanized Antibody Phage Library



Natural human antibodies refer to collection of unimmunized human peripheral blood lymphocyte mononuclear cells, then after a series of gene cloning, the CDR regions of the antibody are spliced to the phage coat protein gene for display.

Human Fab Antibody Library



The Fab antibody library refers to VH and VL, especially the CDR region genes of the antibody form a large number of different clones by different strategies, such as amino acid mutations, frameshift mutations.



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Antibody Engineering Platform

KMD Bioscience has extensive experience in antibody development.

Our scientists can provide comprehensive antibody downstream engineering services, including antibody purification, anti-idiotypic antibody development, and modified antibody preparation, providing strong support for antibody drug analysis and development.



OUR BEST SERVICES

Antibody Purification Service



We provide two antibody purification methods: Protein A/G affinity purification, antigen affinity purification. At the same time, we can also customize other types of antibody purification solutions for customers.

Anti-Idiotypic Antibody Development Service



KMD Bioscience provides anti-idiotypic antibody development services to support the development of antibody drugs and provide important tools for pharmacokinetic and immunological studies.

Phosphorylated Antibody Production Services



KMD Bioscience offers different solutions for the preparation of phosphorylated antibodies, including traditional antibody preparation as well as non-traditional recombinant antibody preparation techniques.

Antibody Labeling and Crosslinking Service



Our scientists can provide high-quality antibody labeling services, including fluorescent molecular markers (FITC, FAM, etc.), vector coupling (agarose beads, magnetic bead coupling, etc.) and enzyme labeling (HRP, AP, etc.) and biotin labeling, etc.



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BTL Biotechno Labs Pvt Ltd
Research is creating new knowledge

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