

New Launched

Protein Electrophoresis



FuturePAGE™ Precast Protein Gel

 Ready-to-use, high-resolution, 30-minute rapid electrophoresis.




One-Step PAGE Colored Gel Fast Preparation Reagent Kit

 One-step gel preparation method , colored upper gel, odor-free.



Tris-Glycine Fast Electrophoresis Buffer (20×)

 SDS-PAGE can be completed in just 25 minutes under a constant voltage of 250V.

Protein Transfer / Blotting



Fast Transfer Buffer (20X)

 The transfer of proteins below 200 kDa can be completed within 40-60 minutes.

Blocking




Rapid protein free blocking solution

 Ready-to-use, completes blocking in 10-30 minutes. low background, high compatibility.

Antibody Incubation



Universal antibody dilution

 Ready-to-use, no interfering agents, enhances antibody stability and sensitivity.



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Smart Lifesciences

Your Integrated Protein Research Solutions Provider

Web: www.smart-biosciences.com

About Smart-Lifesciences

Smart Lifesciences develops innovative scientific products and provides professional one-stop solutions. Our technology platform originated in chromatography and has been applied across the broad field of protein science—from protein preparation to purification, detection, and application development services. For large-scale manufacturing, our active DMF filings enable a seamless workflow to accelerate the translation of research.

Our Portfolio Includes:

300+ Chromatography Resins

Professional CRO Technical Services

Reagents & Instruments for biomolecular preparation, purification, detection, electrophoresis, and blotting



OUR PRODUCTS

End-to-end products and workflows powered by our core microsphere technology.

01 Protein Expression — Efficient Construction

Key tools for multiple expression systems to help you obtain high-quality proteins rapidly.

02 Protein Purification — Precision Capture

Purification solutions from process development to scale-up, based on our self-developed microspheres.

03 Protein Detection — Reliable & Reproducible

A complete and stable product ecosystem centered around precast gel technology for efficient protein analysis.

04 Biological Raw Materials — Core Components

We supply essential biomaterials for diagnostic and cell sorting applications.

OUR SERVICES

Reliable end-to-end customized CRO services. Speeding your research and acceleration to market.

01 Antibody Discovery

· 100% Success Rate · Cost-effective · High Affinity

02 Protein & Antibody Production

· 7 Days Delivery · High Quality · Competitive Price

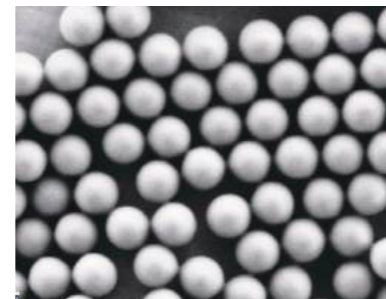
03 Conjugation & Detection

· Qualitative & Quantitative Detection · Customized Conjugation · Customized Analysis

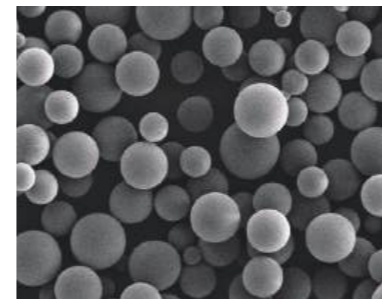


Professional Manufacturer of Chromatography Resins

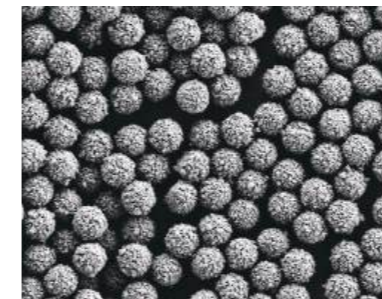
Smart Lifesciences offers a variety of chromatography products for the purification and isolation of biomolecules, including proteins, peptides, nucleic acids, cells, and AAV particles. Each type of biomolecule can be optimally isolated using our specific, purpose-designed chromatography resins.



Polymer Beads



Polysaccharide Beads



Magnetic Beads



We offer around 300 types of industrial-grade chromatography resins

· Affinity Chromatography Resin

· Ion Exchange Chromatography Resin

· Hydrophobic Chromatography Resin

· Gel Filtration Chromatography Resin

· Multimodal Chromatography Resin

· Polymer Chromatography Resin

· Reversed-Phase Silica Sorbents

· Magnetic Beads

· Protein Purification Equipment & Consumables



Our products have been widely used in the following fields



Antibody
Drugs
Purification



Peptide
Isolation &
Purification



Recombinant
Protein
Purification



Gene
Therapy
Purification



Blood
Products
Purification



Vaccine
Purification

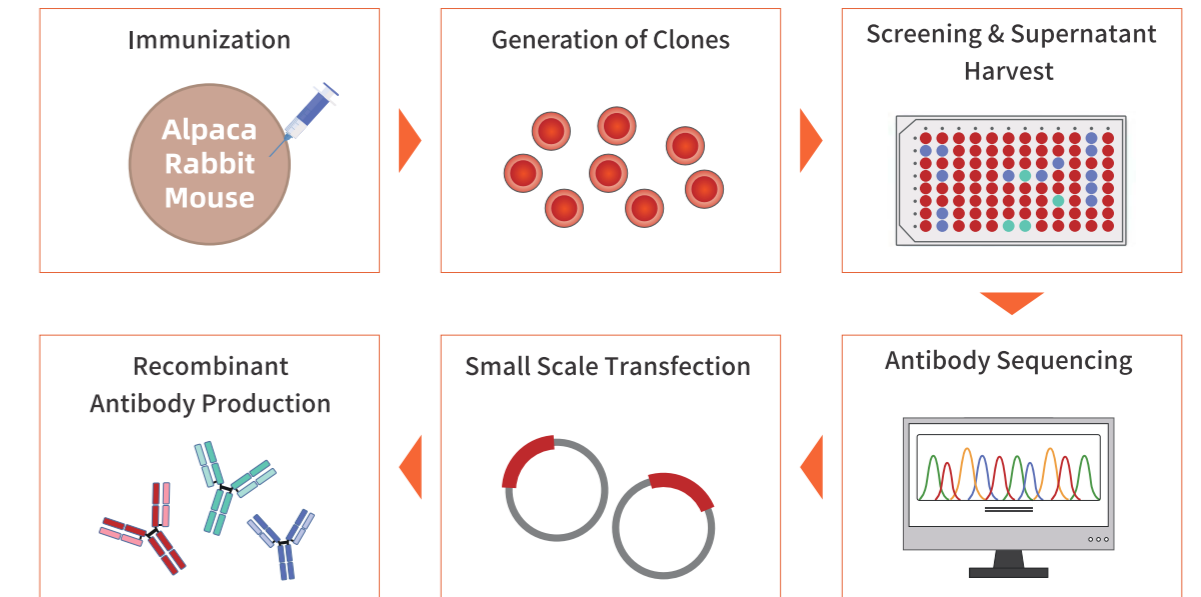


API
Purification

CRO Services of Smart Lifesciences

—High quality and efficient antibody and recombinant protein products

Professional platforms for antibody discovery & protein production services. One stop solutions from the initiate lab R&D stage to industrial scale-up stage. Rapid and cost-effective High Throughput (HTP) antibody production.



Nanobody/sdAb/VHH Antibody Discovery

—High affinity and diversity

Proprietary technology for nanobody discovery by phage display and single B cell cloning methods have been developed. The immunization schedule and screening procedures to target-focused immune response is optimized to ensure the successful isolation of high-affinity nanobody within a short turnaround time.

High Throughput and Short Leadtime

100% Project Success Rate

Highlights

One Stop Solution

Competitive Price

VHH Antibody Discovery Service Package

| Phase | Service | TAT(Weeks) | Deliverables |
|--|---|------------|---|
| Phase I : Antigen Preparation | · Protein/Peptide antigen preparation | 3-4 | · 200µg protein or 1mg peptide |
| Phase II :Alpaca Immunization and PBMC Isolation | · Immunized with antigen for more than 5 times · Serum collection and PBMC isolation | 8-10 | · Immunization serum · ELISA report |
| Phase III:Positive Clones Identification | · Approach One: construction of VHH phage antibody library · Approach Two: single B cell cloning and screening | 2-8 | · ELISA screening report · unique sequences provided for each protein antigen |
| Phase IV:Nanobody Expression, Production and Activity Validation | · Cloning of nanobody genes into eukaryotic expression vectors · Recombinant antibody expression and activity validation | 2-4 | · Purified nanobodies · Nanobody ELISA detection report |