



# High-quality Antibody Development Service

## Sino Biological Inc.

Sino Biological has over 10 years' experience in antibody development and production. We provide one-stop service including antigen production, animal immunization, antibody development, ELISA kit development, hybridoma antibody gene sequencing and recombinant antibody production.

## Advantages

### Varied Antigens

- Recombinant Protein
- Natural Protein
- Peptide
- Cell
- DNA

### Advanced Technologies

- Optimized immunization
- High efficient electrofusion
- Phage display library technology
- Solid / Liquid-phage screening
- Hybridoma serum-free cell culture
- Multiple Purification Methods

### Customized Service

- Optional validation: ELISA, WB, IHC, IF, FACS, ICC, HPLC, Octet, MS etc
- Multiple screening methods at key nodes
- Milestone Payments
- Timely feedback and communication

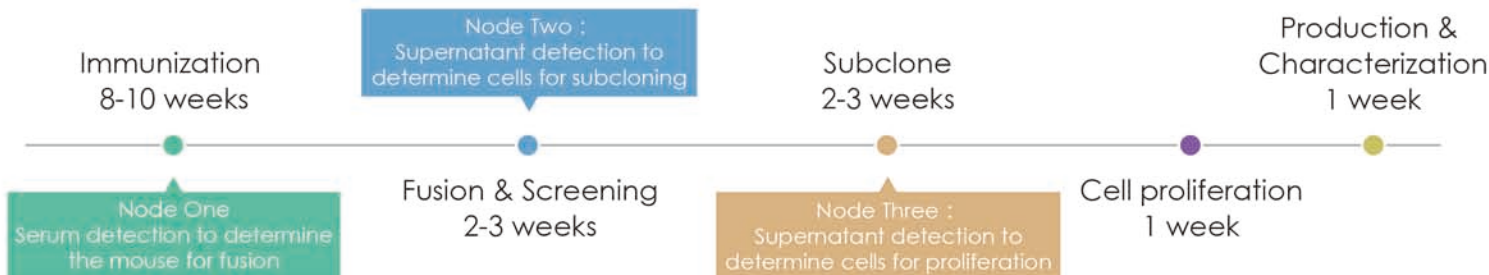
## Service List

Service	Deliverables	Timeline
Mouse monoclonal antibody development	1) Positive clones 2) Purified antibodies	4-6 months
Rabbit monoclonal antibody development	1) Antibody H and L chains sequences 2) Purified antibody	4-6 months
Rabbit Polyclonal antibody development (Protein A/G purification or antigen affinity purification)	1) Purified antibody 2) ELISA detection result	11-14 weeks
ELISA kit development	ELISA kit	6-12 weeks
Hybridoma cell culture and antibody production	Purified antibody	11-17 weeks
Antibody gene sequencing from hybridoma cells	1) Antibody H and L chains gene sequences 2) Commercial vector cloned with antibody H and L chains gene	3-4 weeks
Recombinant antibody production	Purified antibody	4-6 weeks



## Hybridoma Technology & Monoclonal Antibody Development

### Detection and screening at multi-nodes



## Phage Display Antibody Library & Monoclonal Antibody Development

### What is Phage Display Antibody Library

Antibody phage display is based on genetic engineering of bacteriophages and repeated rounds of antigen-guided selection and phage propagation. This technique allows in vitro selection of mAbs of virtually any specificity, greatly facilitating recombinant production of reagents for use in research, clinical diagnostics and pharmaceuticals.

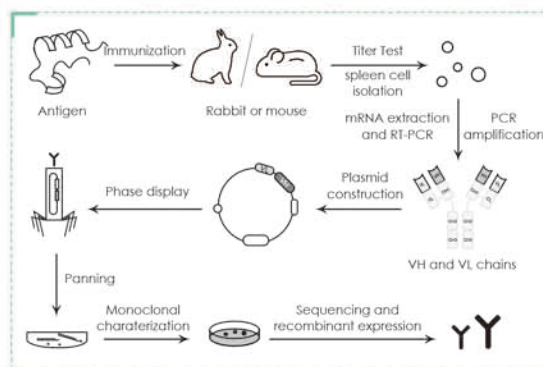
Sino Biological Inc. offers mouse and rabbit Mab development services with phage display technique



Immunization animals : Rabbit or Mouse

### Advantages of rabbit monoclonal antibodies

- ▶ High affinity and specificity
- ▶ Perfect choice for testing mouse proteins and tissues
- ▶ Recognition of diverse and novel epitopes
- ▶ More choices for matched antibody pairs for ELISA
- ▶ Antibody gene sequences available for gene engineering



### Service Process

