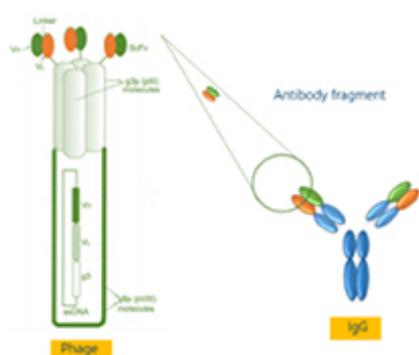
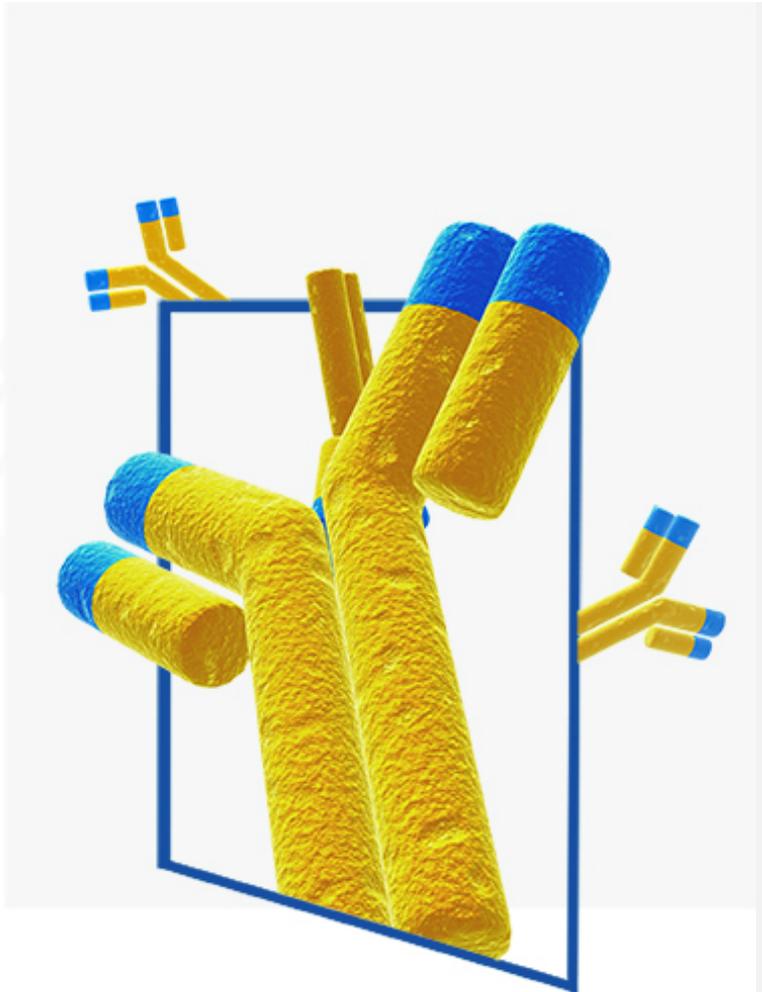


# Antibody Development by Immune Phage Display Library Construction and Screening

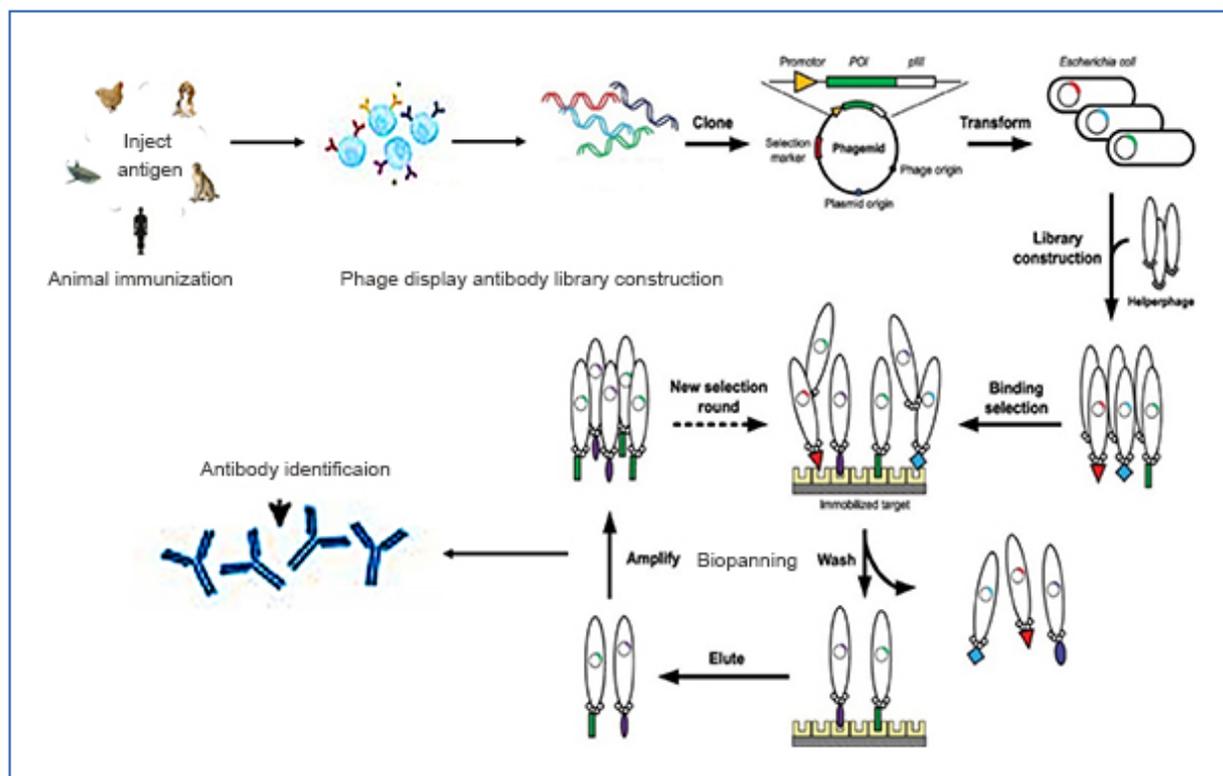


Creative Biolabs is a world-leading service provider of antibody development based on the phage display technology. We offer [Immune antibody library construction and for antibody generation](#), which is the most efficient and effective strategy for helping our global clients obtain highly specific and high-affinity monoclonal antibodies. The antibodies could be generated from various species, including human, mouse, rat, llama, camel, monkey, chicken, rabbit, shark, monkey, bovine, etc.

## Immune Library Construction And Screening

In immune libraries, the antibody gene repertoire is derived from the immunoglobulin gene of either spleen B cells or peripheral blood B cells from the immunized animals. In comparison with naïve libraries, immune libraries usually produce antibodies of greater affinity, thus avoiding time-consuming *in vitro* antibody affinity maturation effort. Besides, immune libraries constructed by phage display technology increase the diversity of antibody compared with the conventional hybridoma technology, thus making it possible to produce monoclonal antibodies from a much broader range of species.

Furthermore, in Creative Biolabs, we adopt a series of biopanning methods, including solid-phase screening, in-solution panning, cell-based screening, and *in vivo* screening for high-affinity antigen-specific antibodies identifications. By conducting four rounds library screening, our scientists can select scFv/Fab antibodies with the affinity from nm to pm.



## Features

- ⬢ Various immunization strategies: conventional immunization, DNA immunization, whole cell immunization, liposome immunization etc.
- ⬢ One-stop, fully customizable solution for monoclonal antibody production
- ⬢ Different antibody format and display type
- ⬢ Large library capacity: from  $10^7$  to over  $10^8$
- ⬢ High affinity
- ⬢ Various phage display systems (M13, T4, T7)
- ⬢ Tailored biopanning strategies
- ⬢ Comprehensive QC validation
- ⬢ State-of-the-art animal facilities
- ⬢ Capabilities of constructing human antibody libraries from various infectious disease model
- ⬢ Magic™ therapeutic antibody discovery technology providing hundreds of antibody sequences with VH-VL linkage information.

## Features

-  Immune Antibody Library Services
-  Phage Display Library Screening
-  Magic™ Therapeutic Antibody Discovery Service

## Contact Us

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