



# GenScript Antibody Services

## Custom Mouse & Rat Monoclonal Antibody Generation Services

GenScript's custom rodent monoclonal antibody generation packages offer a fully comprehensive mAb production platform complete with a multitude of antigen types, immunization strategies, QC, and deliverables. By allowing our customers to have complete control over their projects, GenScript's custom mAb packages ensure that generated antibody is tailored to the customers specific needs and interests.



### In House Screening

Customer Chooses Clones for Subcloning Based on In-House Screening



### Complete Transparency

The Customer is in Control of Each Decision of Their Project



### Multiple Immunization Strategies

Choose from Variable Antigens and Immunization Schedules

## Service Specifications

| Milestone   | Service Options   | Deliverables  |
|---|---|---|
| <b>Phase 1: Antigen Preparation</b>                   | <ul style="list-style-type: none"> <li>Antigen Type (Protein, Peptide, DNA, or Cell line)</li> <li>Antigen Designer (Customer or GenScript)</li> <li>ImmunoPlus™</li> <li>OptimumAg™</li> </ul> | <ul style="list-style-type: none"> <li>Remaining Antigen</li> </ul>   |
| <b>Phase 2: Immunization</b>                          | <ul style="list-style-type: none"> <li>Conventional or Express Method</li> <li>Animal Species (Balb/c Mice, C57BL6 Mice, GANP mice, or Rat)</li> <li># of Animals</li> </ul>                    | <ul style="list-style-type: none"> <li>Test Bleed Report</li> <li>15 µL Serum Sample after</li> <li>Third Boost</li> </ul>  |
| <b>Phase 3: Cell Fusion and Screening</b>             | <ul style="list-style-type: none"> <li>Screening Methods (FACS, WB, Indirect ELISA, Capture ELISA, Competitive ELISA, or Counter Screening)</li> </ul>  | <ul style="list-style-type: none"> <li>20 Supernatants for Client</li> <li>In-House Analysis</li> <li>Parental Supernatant Report</li> <li>Client Selects Clones for Phase 4</li> </ul>                     |
| <b>Phase 4: Sub-cloning, Screening, and Expansion</b> | <ul style="list-style-type: none"> <li>Number of Sub-clones</li> <li>Small to Large Scale mAb production</li> <li>Cryopreservation and Cell Banking</li> <li>Epitope Binning</li> </ul>         | <ul style="list-style-type: none"> <li>2 Vials of Up To 10 Hybridoma</li> <li>Cell Lines</li> <li>5 Ml Sub-clonal Supernatant</li> <li>2 mg Purified mAb</li> <li>Free Cell Banking for 6 Months</li> </ul> |

\*Custom mAb packages are highly flexible, and therefore range anywhere from \$4,000-15,000 USD, depending on your antigen, immunizations schedule, and screening methods of choice. These Decisions also greatly affect the turn-around-time, which typically ranges from 17-24 weeks.

## Standard pAb Generation Services

GenScript's standard pAb packages offer the same high level of customization used for our monoclonal antibody projects but, with the reduction of price and turn-around-time that comes with polyclonal antibody generation.



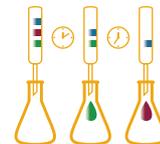
### Multiple Deliverable Formats

For High Functionality in Your Down Stream Application



### Range of Animal Hosts

Choose the Species that is Perfect for Your Downstream Application



### Multiple Purification Methods

Affinity Column, Protein A/G, IgY, & Anti-Serum Purification

## Service Specifications

|                        | Rabbit Packages   | Mouse packages  | Rat packages   |
|------------------------|---|---|--|
| <b>Antigen</b>         | <ul style="list-style-type: none"> <li>Protein</li> <li>Peptide</li> </ul>  | <ul style="list-style-type: none"> <li>Protein</li> <li>Peptide</li> </ul>  | <ul style="list-style-type: none"> <li>Protein</li> <li>Peptide</li> </ul>   |
| <b>Immunization</b>    | <ul style="list-style-type: none"> <li>2 Rabbits/1 Group</li> </ul>   | <ul style="list-style-type: none"> <li>5 Mice/1 Group</li> </ul>  | <ul style="list-style-type: none"> <li>3 Rats/1 Group</li> </ul>   |
| <b>Purification</b>    | <ul style="list-style-type: none"> <li>Affinity Purified</li> <li>Protein A Purified</li> </ul>   | <ul style="list-style-type: none"> <li>Protein A Purified</li> </ul>  | <ul style="list-style-type: none"> <li>Protein G Purified</li> </ul>   |
| <b>Deliverables</b>    | <ul style="list-style-type: none"> <li>Pre-Immune Serum</li> <li>Antisera</li> <li>GenScript Generated Antigen</li> <li>10-500 mg Purified pAb</li> </ul> | <ul style="list-style-type: none"> <li>Pre-Immune Serum</li> <li>Antisera</li> <li>GenScript Generated Antigen</li> <li>5-15 mg Purified pAb</li> </ul> | <ul style="list-style-type: none"> <li>Pre-Immune Serum</li> <li>GenScript Generated Antigen</li> <li>10-25 mg Purified pAb</li> </ul> |
| <b>Guarantee</b>       | <ul style="list-style-type: none"> <li>ELISA Titer &gt;1:128,00</li> </ul>  | <ul style="list-style-type: none"> <li>ELISA Titer &gt;1:128,00</li> </ul>  | <ul style="list-style-type: none"> <li>ELISA Titer &gt;1:128,00</li> </ul>   |
| <b>TAT</b>             | <ul style="list-style-type: none"> <li>12-17 weeks</li> </ul>   | <ul style="list-style-type: none"> <li>17 weeks</li> </ul>  | <ul style="list-style-type: none"> <li>17 Weeks</li> </ul>   |
| <b>Avg Price (USD)</b> | <ul style="list-style-type: none"> <li>Inquiry</li> </ul>   | <ul style="list-style-type: none"> <li>Inquiry</li> </ul>   | <ul style="list-style-type: none"> <li>Inquiry</li> </ul>  |