Rapid & High-throughput Recombinant Antibody Production Service

In only 2 weeks: from gene synthesis to purified antibody in HEK293 or CHO cells

Our Advantages

- Unmatched speed: >100 Mab production in 2 weeks
- Superior quality: Proprietary technology and optimized process
- Rich experience: >10 years of antibody production experience
- Highly flexible: Multiple production scales and quality standards
- Significant cost-saving: Very competitive price

<table>
<thead>
<tr>
<th>Amount</th>
<th>Timeline</th>
<th>Description</th>
<th>Deliverables</th>
</tr>
</thead>
<tbody>
<tr>
<td>50μg - 100μg</td>
<td></td>
<td>• Gene synthesis</td>
<td>• Purified antibody</td>
</tr>
<tr>
<td>100μg - 500μg</td>
<td>2 weeks</td>
<td>• Vector construction</td>
<td>• COA</td>
</tr>
<tr>
<td>500μg - 1mg</td>
<td></td>
<td>• Sequencing confirmation</td>
<td>• Antibody gene in commercial vectors</td>
</tr>
<tr>
<td>1mg - 5mg</td>
<td></td>
<td>• Plasmid preparation</td>
<td>(optional)</td>
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<td></td>
<td></td>
<td>• Transient transection of HEK293/CHO cells</td>
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<tr>
<td></td>
<td></td>
<td>• Purification and QC analysis</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>• additional analysis (optional)</td>
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</tbody>
</table>

Project can start from customer-supplied antibody sequence, plasmid or hybridoma cells.

Turnaround time does NOT include hybridoma cells antibody gene sequencing.

Standard analysis: concentration determined by UV; purity determined by SDS-PAGE.

Optional analysis: SEC-HPLC, Endotoxin, Mass Spec, Elisa, FACS, Affinity by Octet and more.
Large Scale Recombinant Antibody Production Service

Sino Biological Inc.

Sino Biological has built one of the best antibody production platforms for large scale antibody production. With thousands of antibodies produced successfully, we are the first choice antibody production supplier of world Top 10 pharmaceutical/biotech companies.

Unique superiority:

High Quality
• Monomer purity >99.9%
• Endotoxin level <0.01EU/mg
• Comprehensive QC analysis ability: ELISA, FACS, SEC-HPLC, LC-MS/MS, Affinity by OCTET...

Extensive Experience
• Various types: full mAb, Chimeric, scFv, Fab,
• Bi-Specific, Isotype Switching, multi-chain co-transfection expression
• Various species: Human, Mouse, Rat, Rabbit, Canine
• Various isotypes: IgG, IgA, IgM, IgE

Large scale recombinant antibody production service:

<table>
<thead>
<tr>
<th>Amount</th>
<th>10mg-100mg</th>
<th>100mg-1g</th>
<th>&gt;1g</th>
</tr>
</thead>
<tbody>
<tr>
<td>Timeline</td>
<td>3-5 weeks</td>
<td>6-8 weeks</td>
<td>8-12 weeks</td>
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</tbody>
</table>

Antibody drug research and development service:

Antibody Drug Discovery
• Protein antigen production
• Mouse monoclonal antibody development
• Rabbit monoclonal antibody development
• Hybridoma cell culture and antibody production
• Hybridoma monoclonal antibody sequencing
• High throughput antibody production

Lead Optimization
• Chimeric antibody production
• Antibody fragments production
• Bi-specific antibody production
• Anti-idiotypic antibody development
• Phage library construction and screening

Hit Characterization
• Biophysical and biochemical characterization
• Cell-based assays
• Binding activity

Biological Process
• Antibody transient expression
• Antibody stable cell line development
• Antibody stability study