

Custom Monoclonal Antibody Service Packages

Biomatik has been proudly serving 10,000+ scientists since 2002. Biomatik has delivered 72,000+ custom made products to our researchers worldwide. Please view 3,000+ publications citing our fine products & services at [Google Scholar](#).

Custom Monoclonal Antibody Package	Service Contents	Deliverables	Guarantee /EDT /U\$
#SA0133, ELISA Guaranteed Peptide mAb Package (From peptide synthesis to ascites purification) Antigen: Peptide synthesized by Biomatik <i>*Charge by stages, see package notes below.</i>	1) Peptide synthesis & KLH conjugation; 2) Immunization (6 BALB/C mice) & ELISA testing; 3) Fusion and colony screening; 4) Subcloning, Colony Expansion and Freezing; 5) Ascites production & protein A/G purification.	2-5mg purified antibody from each clone; 2 clones; 5mg peptide, >85%; Project report with ELISA data.	Quality Guarantee: ELISA >1:80,000 (OD=1) EDT: 7-9 months From \$3,900
#SA0135, ELISA Guaranteed Phospho Peptide mAb Package (From phospho peptide to ascites purification) Antigen: Phospho peptide (1 site) synthesized by Biomatik <i>*Charge by stages, see package notes below.</i>	1) Phospho peptide synthesis & KLH conjugation; 2) Immunization (6 BALB/C mice)&ELISA testing; 3) Fusion and colony screening; 4) Subcloning, colony expansion and freezing; 5) Ascites production & protein A/G purification.	2-5mg purified antibody from each clone; 2 clones; 2-3mg phospho peptide, >85%; 5mg non-phospho peptides, >85%; Project report with ELISA data.	Quality Guarantee: ELISA >1:80,000 (OD=1) phospho/non-phospho >100 EDT: 7-9 months From \$6,900
#SA0131, ELISA/WB Guaranteed Protein mAb Package (From protein to ascites purification) Antigen: protein, customer to supply <i>*Charge by stages, see package notes below.</i> <i>*Customer to supply 2x5mg protein (>90%) in powder or in neutral buffer ≥1mg/ml.</i>	1) Protein identification by SDS-PAGE; 2) Immunization (6 BALB/C mice) & ELISA testing; 3) Fusion and colony screening; 4) Subcloning, colony expansion and freezing; 5) Ascites production & protein A/G purification.	2-5mg purified antibody from each clone; 2 clones; 50ul immune serum (1:10 dilution); Project report with ELISA data.	Quality Guarantee: WB Positive (for antigen); ELISA >1:80,000 (OD=1) EDT: 7-9 months From \$4,200
#SA0150, ELISA/WB Guaranteed Protein mAb Package (From protein production to ascites purification) Antigen: Recombinant protein produced by Biomatik *Risk-free Guarantee – No Antibody, No Charge!	1) Gene synthesis & sub-cloning; 2) Protein expression & purification; 3) Immunization (5 BALB/C mice) & ELISA testing; 4) Fusion and colony screening; 5) Subcloning, colony expansion and freezing; 6) Ascites production & protein A/G purification.	2-5mg purified antibody from each clone; 2 clones; 0.1mg His-tag protein, >90%; Project report with ELISA data.	Quality Guarantee: WB Positive (for antigen); ELISA >1:128,000 EDT: 7 months From \$9,760
#SA0400, Large Scale Antibody Production Package (From hybridoma cells to ascites purification) <i>* Customer to provide mouse IgG 1 hybridoma generated with fusion partner SP2/0.</i>		Protein A/G purified antibody; Project Report with SDS-PAGE data.	EDT: 6-10 weeks

Custom mAb Package Notes:

- a) EDT is an estimated time only; it does not reflect any production difficulties, if so encountered.
- b) mAb package #SA0150 is risk free guaranteed (no antibody, no charge). mAb Package #SA0133, #SA0135 and #SA0131 are charged by stages – If project fails, customers pay for those successfully completed stages only: 20% Immunization / 35% Fusion / 30% Subcloning / 15% Ascites Production.
- c) Cell lines delivery: Upon project completion, 2-5mg antibody from each clone (2 clones) will be delivered. Once the antibody has been successfully validated, customers must inform Biomatik (within 2 months upon antibody delivery) to ship the desired cell line(s). Customer must cover the shipping & handling cost (\$500/shipment) if a replacement shipment of cell lines is required regardless of replacement reasons.

Customer Testimonials

"We placed an order for polyclonal antibody production from synthesized peptides and received materials when promised. The supplied antibodies generated strong, specific signals so we were able to quickly and reliably use within our existing experimental protocols. An excellent experience"

Professor O'Tousa, Department of Biological Sciences
University of Notre Dame, Notre Dame, IN, USA

"We are very satisfied with the polypeptide antibodies you produced for us. They work great for both WB and immunostaining (so far we tested). They are very strong and specific (for WB, I can use at 1:5k-10k dilution). Previously we had bad experience with peptide antibodies from other companies. This is the first time we have nice peptide antibodies. In addition, I like your service and time frame. Also your price is reasonable. I think I will continue use your service in the future. Thank you very much."

Dr. Han, Senior Research Associate, Dept. of Biology
McGill University, Montreal, Quebec, Canada

"We have thus far ordered peptide antibodies from Biomatik two times. We have found the people from Biomatik to be very competent, reliable and friendly and highly recommend their service."

Dr. Grusche, Peter MacCallum Cancer Centre,
East Melbourne, Australia

"Hope this email finds you well. This is Xuesong Zhao at Harvard Medical School. I have used your company antibody service early this year and the experience is excellent. Now we found another interesting gene and thinking about generating an antibody again"

Dr. Zhao, Department of Neurobiology, Harvard Medical School
Dana Farber Cancer Institute, Boston, MA, USA

"We got the antibody and it appears to work very well! I'm very happy with it, I'm sure we'll contact you for any future antibodies we need made."

Dr. Keeney, Jim Sikela/Diego Restrepo laboratories, Neuroscience Program
University of Colorado Anschutz Medical Campus, Aurora, CO, USA

Monoclonal Antibody Production Protocol

Updated: 2018-11-08

Antigen Preparation

Protein antigen: Either supplied by customer or produced by Biomatik. *10 mg protein (>90%) is required.*

Peptide antigen: Produced by Biomatik.

Phase 1: Immunization

Animals: Preparation of 6 BALB/C mice, 6-week-old.

Day 0	50ul pre-immune sera and 1 st -immunization with CFA
Day 21	2 nd immunization with IFA
Day 35	3 rd immunization with IFA
Day 45	Serum collected for ELISA test

Comment: once serum titer reaches 1:10,000 dilution, proceed with Step 3. More time may be required for reaching the titer. There is two-week interval between two adjacent immunizations.

Phase 2: Fusion (2-3 weeks)

Day 50	Strengthen immunization for 2 mice with PBS
Day 54	Collection of positive serum and perform two hybridoma fusions based on the highest antigen binding titer
Day 64-84	ELISA test for cell culture supernatant and select positive clones; Identify positive antibody subtypes

Comment: if requested by customer at the time of ordering, Biomatik will deliver 200ul culture supernatants of each positive hybridoma's (10-20 clones) for customer testing. Customer shall inform Biomatik with selection choices by Day 84.

Phase 3: Subcloning (4-5 weeks): 5-10 clones are selected for subcloning

Day 61	1 st subcloning
Day 71	ELISA test for cell supernatant and select positive
Day 72	2 nd subcloning
Day 82	ELISA test for cell supernatant and select positive
Day 83	3 rd subcloning
Day 83-84	ELISA test for cell supernatant and select positive
Day 84-90	Select one clone with the highest ELISA titer for each positive hybridoma

Phase 4: Ascites production (4-5 weeks)

Day 91	Inject 2 mice with liquid paraffin for each clone
Day 91-98	Cell expansion
Day 99	ELISA test for cell supernatant; Identify all available clones
Day 92	Inject hybridomas to mice intraperitoneally
Day 100-106	Collect ascites
Day 107-114	Antibody purification and ELISA test

Phase 5: ELISA Identification

Estimated Turnaround Time: 7 months