

Standard Monoclonal Antibody Service Packages

ELISA/WB Guaranteed Packages Available!

Biomatik has been proudly serving 10,000+ scientists since 2002. Biomatik has delivered 52,000+ custom made products to our researchers worldwide. Please view over 2,000 publications citing our fine products & services at [Google Scholar](https://scholar.google.com/).

How do we charge? No Setup Cost - Charged by Phases: 15% Immunization / 25% Fusion / 30% Subcloning / 30% Ascites Production. **Risk-free Guarantee may apply to #SA0150.**
When clones are shipped? 2-5 clones will be shipped only upon customer's request within 3 months after antibody delivery (once the antibody is successful validated by customer).

Standard 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>*Unlike other suppliers, we guarantee ELISA titer at OD=1.</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 antibody (from 2 clones); 2-5 clones; 50ul immune serum (1:10 dilution); 2-5mg peptide, >85%; Project report with ELISA data.	Quality Guarantee: ELISA >1:80,000 (OD=1) Estimated Time: 7-9 months Price: 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>*Unlike other suppliers, we guarantee ELISA titer at OD=1.</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 antibody (from 2 clones); 2-5 clones; 50ul immune serum (1:10 dilution); Phospho and non-phospho peptides, >85%, 2-3mg each; Project report with ELISA data.	Quality Guarantee: ELISA >1:80,000 (OD=1) phospho/non-phospho >100 Estimated Time: 7-9 months Price: from \$5,900
#SA0131, WB Guaranteed Protein mAb Package (From protein to ascites purification) Antigen: 10mg protein, >90%, customer to supply <i>*Unlike other suppliers, we guarantee ELISA titer at OD=1.</i> <i>* Customer to supply 12-20mg protein in 2 sets, 6-10mg each, >90%. Shipped in lyophilized powder (preferred) 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 antibody each (from 2 clones); 2-5 clones; 50ul immune serum (1:10 dilution); Project report with ELISA data.	Quality Guarantee: WB Positive; ELISA >1:80,000 (OD=1) Estimated Time: 7-9 months Price: from \$5,450
#SA0150, WB Guaranteed Protein mAb Package (From protein production to ascites purification) Antigen: Recombinant protein produced by Biomatik <i>*Risk-free guarantee may apply upon project evaluation.</i> <i>*Express protocol available at an additional charge.</i>	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 antibody (from 1 clone); 2-5 clones; 0.1mg tagged protein, >90%; Project report with ELISA data.	Quality Guarantee: WB Positive; ELISA >1:128,000 Estimated Time: 7 months Price: from \$8,310

#SA0400, Large Scale Antibody Production Package

(From hybridoma cells to ascites purification)

Customer to provide mouse hybridoma cell.

Protein A/G purified antibody;
Project Report with SDS-PAGE data.

Estimated Time: 7-12 weeks
Price: from \$950

* Customer to provide mouse IgG 1 hybridoma generated with fusion partner SP2/O. For a formal quote, please provide: 1) amount of IgG required; 2) antigen name and antibody subtype if available; 3) culture condition (whether FBS is required).

* The purification process will be done via Protein A/G column. Concentration & Purity are verified by SDS-PAGE.

Standard Monoclonal Antibody Package Notes:

- For all mAb packages: If project fails, customer pays only for those successfully completed phases. Risk-free Guarantee may apply to package #SA0150 upon project evaluation. With Risk-free Guarantee, it is free of charge if your project fails - either in protein production or antibody generation.
- Standard 114-day immunization protocol is used for all mAb packages. For #SA0150 package only, you may request express protocol (EDT: 4-5 months) at an additional cost.
- The standard peptide antibody packages (#SA0133 & #SA0135) cover cost for peptide synthesis up to 22aa. An additional charge applies to longer peptide synthesis.

Customer Testimonials

"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 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 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.

Day0	50ul pre-immune sera and 1 st -immunization with CFA
Day21	2 nd immunization with IFA
Day35	3 rd immunization with IFA
Day45	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

Day61	1 st subcloning
Day71	ELISA test for cell supernatant and select positive
Day72	2 nd subcloning
Day82	ELISA test for cell supernatant and select positive
Day83	3 rd subcloning
Day 83-84	ELISA test for cell supernatant and select positive
Day84-90	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
Day99	ELISA test for cell supernatant; Identify all available clones
Day92	Inject hybridomas to mice intraperitoneally
Day100-106	Collect ascites
Day107-114	Antibody purification and ELISA test

Phase 5: Identification: ELISA >1:80,000 (OD=1)

Estimated Turnaround Time: 7 months

** Express protocol is available at an additional charge for package #SA0150, with EDT 4-5 months.*