

Custom Polyclonal 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 Polyclonal Antibody Package	Service Contents	Deliverables	Guarantee /EDT /U\$
#SA0033, ELISA Guaranteed Peptide pAb Package (From peptide synthesis to affinity purification) Antigen: Peptide synthesized by Biomatik Risk-free Guarantee – No Antibody, No Charge	1) Peptide synthesis and KLH conjugation; 2) Standard immunization with 2 rabbits; 3) ELISA identification; 4) Peptide antigen affinity purification.	3-5mg antibody; Immune serum, 0.5ml/rabbit; Pre-immune serum, 0.5ml/rabbit; 5mg peptide, >85%; Project report with ELISA data.	Quality Guarantee: ELISA >1:32,000 (OD=1) Estimated Time: 3-4 months From \$950
#SA0035, ELISA Guaranteed Phospho Peptide pAb Package (From phospho peptide to affinity purification) Antigen: Phospho peptide (single site) synthesized by Biomatik Risk-free Guarantee – No Antibody, No Charge	1) Phospho peptide synthesis& KLH conjugation; 2) Standard immunization with 2 rabbits; 3) ELISA and Dot Blot identification; 4) Peptide antigen affinity purification.	2-5mg phospho antibody; 3-5mg non-phospho antibody; Immune serum, 0.5ml/rabbit; Pre-immune serum, 0.5ml/rabbit; 2-3mg phospho peptide, >85%; 5mg non-phospho peptide, >85%; Project report with ELISA & DB data.	Quality Guarantee: ELISA >1:32,000 (OD=1); No cross reactivity on DB. Estimated Time: 3-4 months From \$1,750
#SA0031, WB Guaranteed Protein pAb Package (From protein to protein A/G purification) Antigen: 10mg protein, >90%, customer to supply Risk-free Guarantee – No Antibody, No Charge <i>*Customer to supply 2x5mg protein, >90%, in lyophilized powder or neutral buffer ≥1mg/ml.</i>	1) Protein identification by SDS-PAGE; 2) Standard immunization with 2 rabbits; 3) ELISA identification; 4) Protein A/G purification.	15-25mg antibody; Immune serum, 0.5ml/rabbit; Pre-immune serum, 0.5ml/rabbit; Project report with ELISA data.	Quality Guarantee: WB positive (for target antigen); ELISA >1:32,000 (OD=1). Estimated Time: 3 months From \$1,250
#SA0050, WB Guaranteed Protein pAb Package (From protein production to affinity purification) Antigen: Protein produced by Biomatik Risk-free Guarantee – No Antibody, No Charge	1) Gene synthesis & sub-cloning; 2) Protein expression & purification; 3) Standard immunization with 2 rabbits; 4) ELISA identification; 5) Protein antigen affinity purification.	2-5mg antibody; 0.1mg purified protein, >90%; Project report with ELISA data.	Quality Guarantee: WB positive (for target antigen); ELISA >1:128,000 Estimated Time: 4 months From \$4,500

Custom pAb Package Notes:

- All our pAb packages are risk-free guaranteed: If project fails or the generated antibody does not meet our quality guarantee as indicated above, the customer receives NO charge.
- For package #SA0033, mixed immunization can be requested with 2 or 3 peptide mix. Peptide specific antibodies (specific to each peptide) will be separated and purified through peptide affinity purification columns. Mixed immunization is not recommended due to the concern of competition between peptide antigens in immunization.
- For package #SA0031, protein affinity antigen purification can be requested instead of protein A/G purification. An additional 10mg protein is required.
- Package #SA0033 & #SA0035 cover cost for peptide synthesis up to 22aa. An additional charge applies to longer peptide synthesis.
- Other than phospho peptide antibody package #SA0035, there are formyl/methyl/cyclic/acetylated peptide antibody packages available. Please inquire.

- Antibody will be produced and delivered separately from each rabbit. Other animals are available – please inquire.
- Anti-serum can be requested instead of the purified antibody for some packages. 60-80ml anti-serum will be delivered from 2 rabbits, with ELISA guarantee >1:12,000 (OD=1).
- Standard 70-day immunization protocol applies to all packages by default. 42-day express protocol can be requested at no extra cost.

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

Polyclonal Antibody Production Protocol

Updated: 2018-11-12

Antigen Preparation

- Protein antigen: Either supplied by customer or produced by Biomatik. 10 mg protein is required, >90%.
- Peptide antigen: Produced by Biomatik.

Phase 1: Immunization

Animals: 2 Rabbits. Please inquire if different animals are required.

Comment: Choose between our Standard protocol and Express Protocol. If it is not in rush, please go with the standard protocol to ensure high quality antibody generation.

Option #1: Standard Immunization Protocol (70 days)

Date	Process
Day0	1-2ml pre-immune sera and 1 st -immunization with CFA
Day14	2 nd -immunization with CFA
Day28	3 rd -immunization with IFA
Day35	4 th -immunization with IFA
Day42	5 th -immunization with NaCl (0.9%)
Day49	6 th -immunization with NaCl (0.9%)
Day56	7 th -immunization with NaCl (0.9%) & serum collected for ELISA testing
Day63	8 th -immunization with NaCl (0.9%)
Day70	Final Bleed

Comment: Once serum titer reaches 1:8,000 dilution, proceed with serum collection and purification.

Option #2: Express Immunization Protocol (42 days)

1st Boost	2nd	3rd	4th	5th	6th (Elisa)	7th	8th	Final Bleed
1 week	1 week	3.5 days	3.5 days	3.5 days	3.5 days	3.5 days	3.5 days	

*ELISA titer from the Express Protocol is typically 10% lower than the one from the Standard Immunization Protocol.

Phase 2: Antigen Affinity Purification (1-2 weeks)

At least 3-5 mg Antibody by Antigen Affinity Purification.

Phase 3: ELISA Identification

Estimated Turnaround Time:

3-4 months by using standard immunization protocol.

2-3 months by using express immunization protocol.