

► Types of labeling services

We offer several types of antibody labeling protocols, depending on your needs:

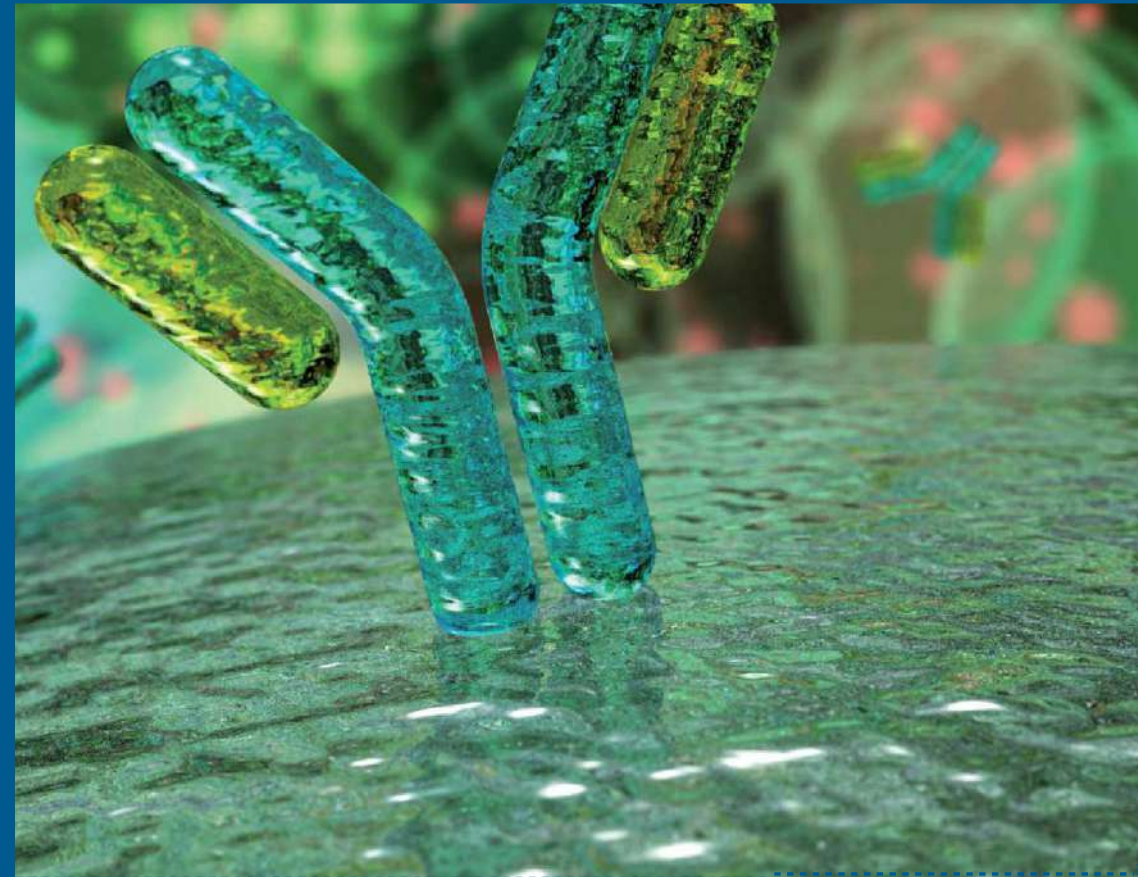
- **Biotin**, is an ideal antibody labeling process when sensitive assays are needed
- **Horseradish Peroxidase, or HRP**, is commonly used to conjugate proteins in Western blots, immunohistochemistry and ELISA protocols

- **Fluorescein isothiocyanate or FITC**, is a type of fluorescein that is used for biological research for bioconjugate, Primary antibody, and Secondary antibody labeling
- **Tetramethylrhodamine or TRITC** is a bright orange fluorescent dye with excitation ideally suited to the 532 nm laser line
- **Antibody conjugated with different probes and with Colloidal Gold**

► CONTACT US

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Custom Polyclonal Antibody Services



GeNei™
Since 1989

Custom Polyclonal Antibody Service Packages

Custom Polyclonal Antibody Package	Service Contents	Deliverables	Guarantee / Estimated Delivery Time
ELISA Guaranteed Peptide pAb Package (From peptide synthesis to anti-serum) Antigen: Peptide synthesized	<ol style="list-style-type: none"> 1) Peptide synthesis and KLH conjugation 2) Standard immunization with 1 Rabbit 3) ELISA identification. 	25ml Anti-serum Pre-immune serum 0.5ml 10mg peptide >85% pure Antibody Project report with ELISA data	Quality Guarantee: Optimal ELISA titer Estimated Time: 3-4 months
Western Blot Guaranteed Protein pAb Package (From protein antigen to protein A/G purification) Antigen: 3mg protein, >90% pure <i>*Customer to supply 3-5mg protein, >90% pure in lyophilized powder or neutral buffer ≥1mg/ml.</i>	<ol style="list-style-type: none"> 1) Protein identification by SDS-PAGE 2) Standard immunization with 1 Rabbit 3) ELISA identification 4) Protein A/G purification 	25ml Anti-serum & 10mg Antibody Pre-immune serum, 0.5ml Project report with ELISA data	Quality Guarantee: WB positive (for target antigen) Optimal ELISA titer Estimated Time: 3 months
Western Blot Guaranteed Protein pAb Package (From protein production to Antibody purification) Antigen: Protein produced by Genei	<ol style="list-style-type: none"> 1) Gene synthesis & sub-cloning 2) Protein expression & purification from <i>E.coli</i> 3) Standard immunization with 1 Rabbit 4) ELISA identification 5) Protein A/G purification 	25ml Anti-serum & 10mg Antibody 0.1mg protein (from <i>E.coli</i>) of >90% purity Project report with WB & ELISA data	Quality Guarantee: WB positive (for target antigen) Optimal ELISA titer Estimated Time: 4-5 months

Polyclonal Antibody Production Protocol

Antigen Preparation

- Protein antigen: Either supplied by the customer or produced by Genei. 3 mg protein is required, >90% purity.
- Peptide antigen: Either supplied by the customer or produced by Genei.

Phase 1: Immunization

- Animals: 1 Rabbit. Please inquire if different animal is required.

Standard Immunization Protocol (80 days):

Date	Process
Day 0	1-2ml Pre-immune sera and primary immunization with CFA
Day 14	Booster 1 with IFA
Day 28	Booster 2 with IFA
Day 43	Booster 3 with IFA
Day 50	Test Bleed
Day 57	Booster 4 with IFA
Day 72	Booster 5 with IFA & serum collected for ELISA testing
Day 80	Bulk Bleed

Phase 2: ELISA Identification

Phase 3: Protein A Affinity Purification (1-2 weeks)

- At least 10mg Antibody by Affinity Purification.

Estimated Turnaround Time:

- 3-4 months by using standard immunization protocol.