



MONOCLONAL ANTIBODY

SPECIAL OFFER

\$3,900

with submission of YOUR ANTIGEN

\$4,290

with production of PEPTIDE ANTIGEN

\$4,900

with production of RECOMBINANT PROTEIN ANTIGEN

- Optimization of antigen design
- Immunization of 4 BALB/c mice
- ELISA testing, selection of mice for spleen fusion
- Splenectomy & fusion of the two best mice
- Selection of positive hybridoma clones
- Cloning & subcloning of two positive clones



LIMITED TIME OFFER

*For additional information
contact*

PrimmBiotech, Inc.
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fax 617 249 0939
www.primmbiotech.com
info@primmbiotech.com

Raffle Sign up



Scan to Enter

*Custom Polyclonal Antibody
Project*

Our efficient monoclonal antibody production service includes:

ANTIGEN PRODUCTION

Take advantage of our expert staff, with 20 years of experience, to help design the right antigen at no charge

Synthetic peptide

- Synthesis of about 10 mg of peptide, purity >80%
- Conjugation of 3-4 mg of peptide to carrier protein, Ovalbumin, KLH or other carrier protein requested by customer, to be used for immunization.
- Conjugation of 1-2 mg of peptide to a different carrier protein to be used for ELISA screening to discriminate between anti-peptide and anti-carrier antibodies

Recombinant protein

Starting from the nucleotide gene sequence or from a gene ID number/name related to public genomic databases (human, mouse, rat origin).

- Cloning of the cDNA sequence in proprietary expression vector
- Complete DNA sequencing of the expression clone
- Production in *E.coli* of the His-tag fusion protein
- Protein purification as "standard grade" in denaturing buffer

Depending on the protein size and features, full length protein and 2/3 domains (up to 300 aa) will be chosen for expression and our staff will take into consideration specific needs and recommendations from customer.

Primm will attempt production and purification of all selected domains; the best one, in terms of purity and yield, will be used for immunization.

PHASE I (1.5 months)

- immunization of 4 BALB/c mice
- ELISA testing of the immune response, selection of mice for spleen fusion
- delivery of polyclonal sera upon customer request & ELISA test results

PHASE II (2 months)

- splenectomy & fusion of splenocytes with myeloma cells of the two best mice
- selection of hybridoma by ELISA and freezing of the more positive mother clones
- delivery of mother clones supernatants

PHASE III (1.5 months)

- cloning & subcloning of two positive clones by limiting dilution
- freezing of the hybridoma
- viability, productivity & stability assays after thawing of cells
- delivery of frozen hybridoma (sub-clones + mother clones)

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