

SERVICES

ELISA Assay Development

- Serology Assays
- Multiplexing
- ELISA Plate Coating
- Antigen Capture Detection Assays

cDNA Libraries

- cDNA Library Construction and Amplification
- cDNA Synthesis and Cloning
- cDNA Library Normalization and Subtraction
- Generation of Library 454 DNA for Sequencing
- Sub-cloning into Vectors, including Protein Expression Constructs
- Immunoprecipitation

Antibody Development and Production

- Murine Monoclonal Antibody Development, Production and Purification.
- Polyclonal Antibodies Development & Production in Chicken, Rabbit, Goat, Sheep, or Llama.

Antibody Purification and Conjugation

- IgG, IgM, IgA Antibody Purification from a Variety of Species
- IgY Purification from Chicken
- Immunoaffinity Antibody Purification Using Your Immobilized Antigen
- Purified Fab and Fab2 Fragments
- HRP, AP, Biotin, Fluorochrome Protein Conjugations
- Peptide Epitope Analysis and Synthesis

Recombinant Protein Development and Expression

- E. coli, Baculovirus or Mammalian Systems
- Expression Vector Construction for your Sequence
- Custom Baculovirus Construction and Characterization
- *E. coli*, Yeast Fermentation and Protein Expression

Protein Purification

- Immunoaffinity Purification
- Affinity Tag Purification (6-His, GST, CBD, T7, others)
- Thrombin/Factor Xa Cleavage of Purification Tags

Cell Culture

- Animal Virus Propagation and Isolation
- Bulk Cell Culture
- Virus Production and Purification
- Electron Microscopy
- Cell Culture Models with Primary and Established Lines



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