High Throughput Monoclonal Antibody Production

Abnova is developing the most comprehensive antibody bio-tool catalog for the drug discovery industry. We use recombinant proteins expressed from in vitro wheat germ system as immunogens for our antibody production. Such proteins mirror the conformation and folding of the native proteins in the eukaryotic biological system, unlike synthetic peptides and E. coli expressed proteins. Using a low dose immunization technique in combination with a proprietary adjuvant, we are able to generate a high-titer antibody response against the immunogen. Abnova’s high throughput mouse monoclonal antibody production is fully automated for fusion, subcloning, liquid handling, antibody screening, and characterization. We also have the flexibility of offering additional monoclones to our customers for their intended applications.

Advantages
- Multiple Antigen Immunization
- Robotic Monoclonal Isolation
- Multiplex Antigen Microarray Screening
- Clone Availability in 8 Weeks
- Ideal for Phospho-Mab Production

Applications
- Western Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytometry
- Sandwich ELISA
- Competitive ELISA
- RNAi Knockdown
- in situ Hybridization
- Radioimmunoassay

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