



Bioassayplus Inc.

4510 Rhodes Dr. Windsor, Canada N8W 5K5

Custom Service to Develop Monoclonal Antibody

Our custom monoclonal antibody production service is set for multiple phases.

Phase 1: We accept the antigen, or prepare recombinant antigen based on the customer's submitted sequence for *E. coli* expression. An antigen screening protocol will be followed to study if it can be used to develop monoclonal antibody. Three mice (*Balb/c*) will be immunized over a period of seven weeks. Anti-sera will be analyzed by ELISA using appropriate material and/or samples sent to customer for evaluation. For small molecules, we only accept BSA conjugated molecules for immunization.

Phase 2: Splenocyte cells from mouse will be fused with SP2/0-Ag14 cell line. Fusions will be screened for hybridomas producing specific antibodies by ELISA. Each positive hybridomas will be expanded to 10 parental clones, which is screened again to reconfirm from their supernatant. The reconfirmed supernatant sample sent to customer for evaluation. One vial of each positive parental clone will be frozen and stored for future use.

Phase 3: Subclone parental cell line with ELISA screening and expansion. Two positive single clones from each parental clone will be expanded, with a final deliverable of 10mL supernatant from each sent to the customer for evaluation. All remaining material is frozen and can be banked for a period of six months.

Phase 4: Antibody Purification from Ascites by Protein A/G (2 clones, 3mg each)