Workflow, timeline and deliverables

Stage 0: antigen preparation
- Peptide synthesis : 2~3 weeks
- ≤25 Aa, 9mg, >85% purity
- Peptide conjugation: 2 days

Customer provided antigen
- Protein or protein conjugate
- 3.5mg, >0.5mg/ml in PBS
- 3mg for immunization; 0.5mg for screening

Stage 1: animal immunization
- immunization : 1 animal, 9 weeks
- Delivery: serum titer report

No titer

Stage 1': HyImmune animal immunization
- 8 weeks, $0

No titer

Project termination

Stage 2: single B cell cloning
- 8 weeks
- Delivery: ELISA positive recombinant mAbs
- Delivery: mAb concentration and antigen binding report

Customer in house screening
- Select clones of interest

Stage 3: antibody sequencing & production
- 4 weeks
- Delivery: Sequences of selected antibodies
- Delivery: >0.5mg each of selected antibodies

Additional services
- Antibody expressing plasmid construction
- Stable antibody CHO cell line generation
- Antibody pair screening
- Other antibody tests