

Monoclonal Antibody Service

Cost Effective Projects with Non-Exclusivity

Custom Monoclonal Antibody Service

Biosynth provides a comprehensive and cost-effective procedure for producing a defined monoclonal antibody

comprising:

- Y Synthesis of required peptide and conjugation (if required)
- Y Four (4) BALB/c mice Immunisation programme
- Y Analysis of sera to determine best responder for Phase II Splenocyte fusion and 480 cultures screened by ELISA
- Y 10 positive cultures selected and expanded from 96 to 24 well plate and rescreened by ELISA
- Y 1-2 positive cultures taken forward to Phase III
- Y 1 stable positive cell line and 5ml supernatant to customer



Antigenic Prediction Service:

Selection of immunogenic peptides from target protein sequence

- Option 1: without cross reactivity screening
- Option 2: with cross reactivity screening

Immunisation Schedule: (Phase I)

Day -21	Peptide and conjugate preparation
Day 0	Pre-immune; Immunisation 1
Day 14	Immunisation 2
Day 28	Immunisation 3
Day 42	Immunisation 4
Day 45	Test Bleed 1 (1ml)
Day 76	Splenic injection on best responder
Day 79	Initiate Phase II (spleen extraction)

Additional Services:

- Additional Clone
- Cell Line Storage (Cryopreservation)
- Isotyping or Mycoplasma Testing
- Splenectomy and Cryopreservation

500 Cultures

10 Positive Cultures

2 IgG Secreting Cultures

1 Clone

5ml Supernatant

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BIOSYNTH[®]

Monoclonal Antibody Service

Reduced for Non-Exclusivity

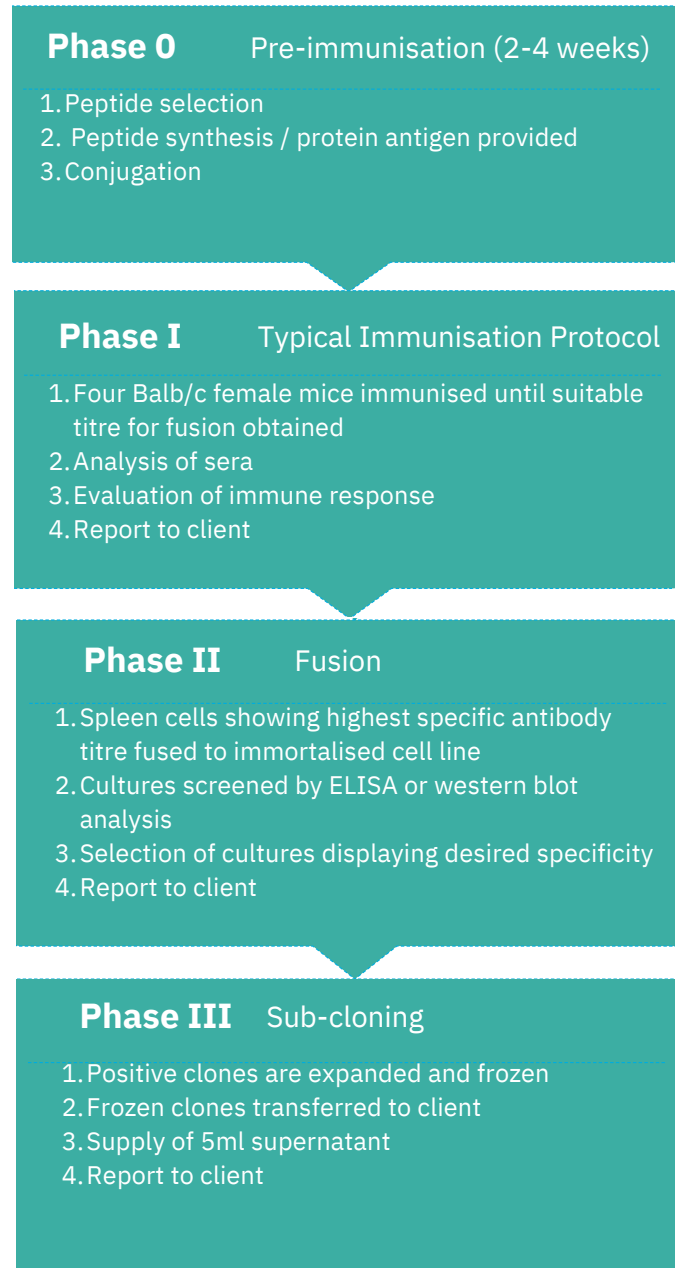
Non-Exclusivity:

- Y I.P. rights negotiable
- Y Collaborations sought
- Y Buy-back scheme available
- Y Royalties stream for future income

Timescales and details:

Reduced package includes:

- Y Antigen design
- Y Customer Interface
- Y Progress Reports
- Y Optimisation
- Y Discount for multiple projects



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