B cell Select®

Rabbit Monoclonal Antibodies

IpA
IMMUNOPRECISE ANTIBODIES

IPA Ranked #1 CRO[1]

Unmatched in the Industry

Combining the high specificity and affinity of rabbit immune systems with the unbiased depth of our Function-First B cell Select® workflow results in early identification of a superior panel of diagnostic antibodies.

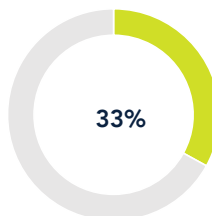## Superiority of Rabbit B cell Select
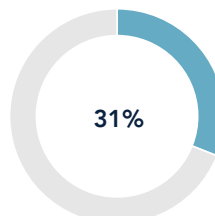
>200 diagnostic rabbit programs completed

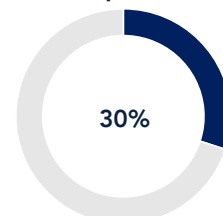>98% success rate from a variety of immunogen formats

Immunogens

Small Molecule	Protein	Peptide
33%	31%	30%

HUB of Biotherapeutic Intelligence™

1. ROOTS 2022: Antibody Discovery Services and Platforms Market (Industry Trends and Global Forecast, 4th Edition), 2021-2035; p.118

B cell Select® Rabbit Monoclonal Antibodies

Typical program objectives

1. Program Goals

To generate antibodies with high specificity and affinity to a number of antigen formats including:

- Small molecules
- Peptides
- Proteins

2. Desired Properties

- Must be able to discriminate target in clinically relevant sample
- Must function in the specific assay format: Lateral flow | Mass spec | IHC | ELISA
- High affinity
- Antibody pairs

3. Ab Development/Production

B cell Select

- Immunization: 2-5 x rabbit
- Functional Screening: ELISA, Octet®
- Timeline: ~2.5 months

rPEx® Recombinant Production

- Quality control
- Supply chain assurances
- Long-term lot control and reproducibility
- Small to large scale (1mg-10g)

Rabbit program and screening workflow

Pre-Phase

Target validation: QC of immunogen prior to immunization

Phase I

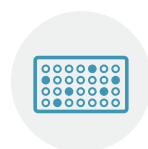**Immunization:** 28-day or 78-day immunization of cohort of 2 x rabbits

Phase II

PBMC isolation: 30 mL whole blood (no sacrifice required)

B cell enrichment: proprietary antigen specific enrichment

B cell culture and primary screen: 40x 96-well plates

Phase III

Molecular cloning and sequencing: up to 48 lead candidates based on primary screening data

Secondary screening: sequence confirmation and further testing of up to 48 recombinant lead candidates

Phase IV

Recombinant expression and purification: up to 48 clones at scale desired by client

Tertiary testing: testing of purified material

For more information — email: info@ipatherapeutics.com web: ipatherapeutics.com

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