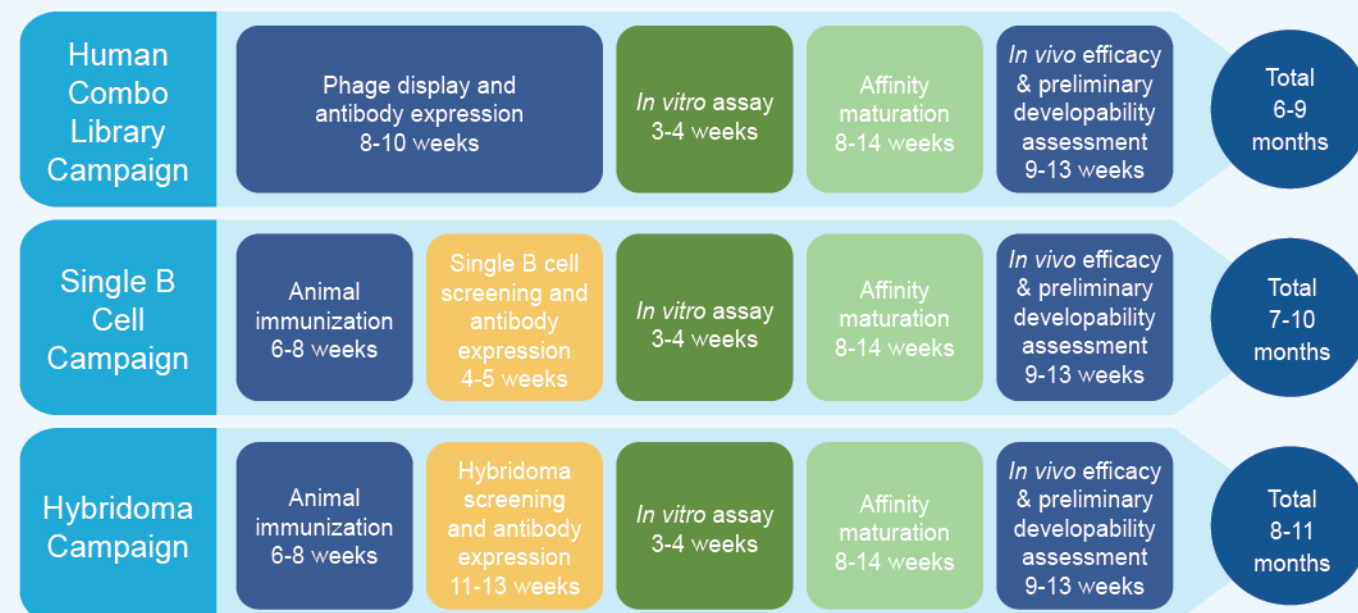
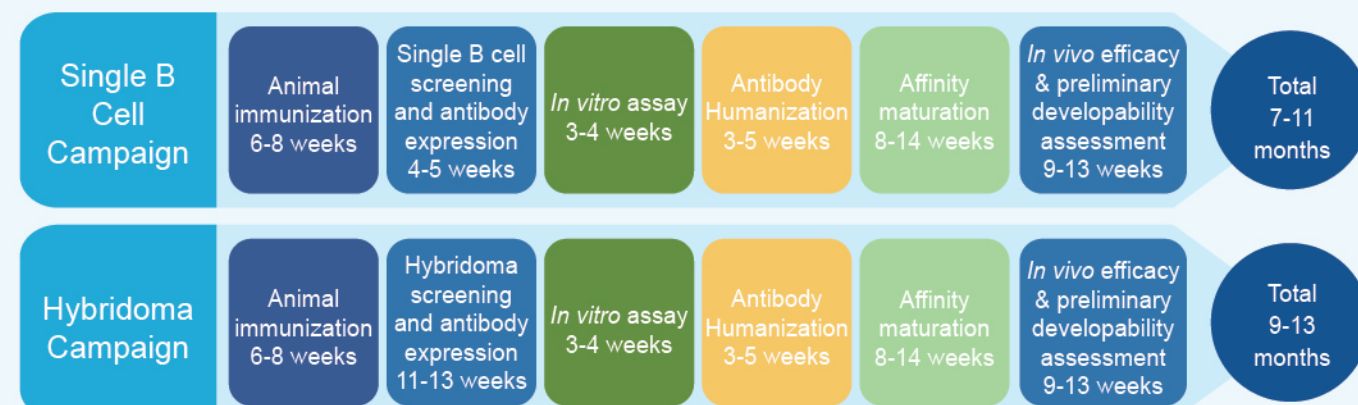


Monoclonal antibody drug integrated service

Fully human mAb



Humanized mAb



In vitro and *in vivo* method development can be performed in parallel with antibody lead generation and developability assessment, **saving 7 months** for the project.

Single B Cell Campaign

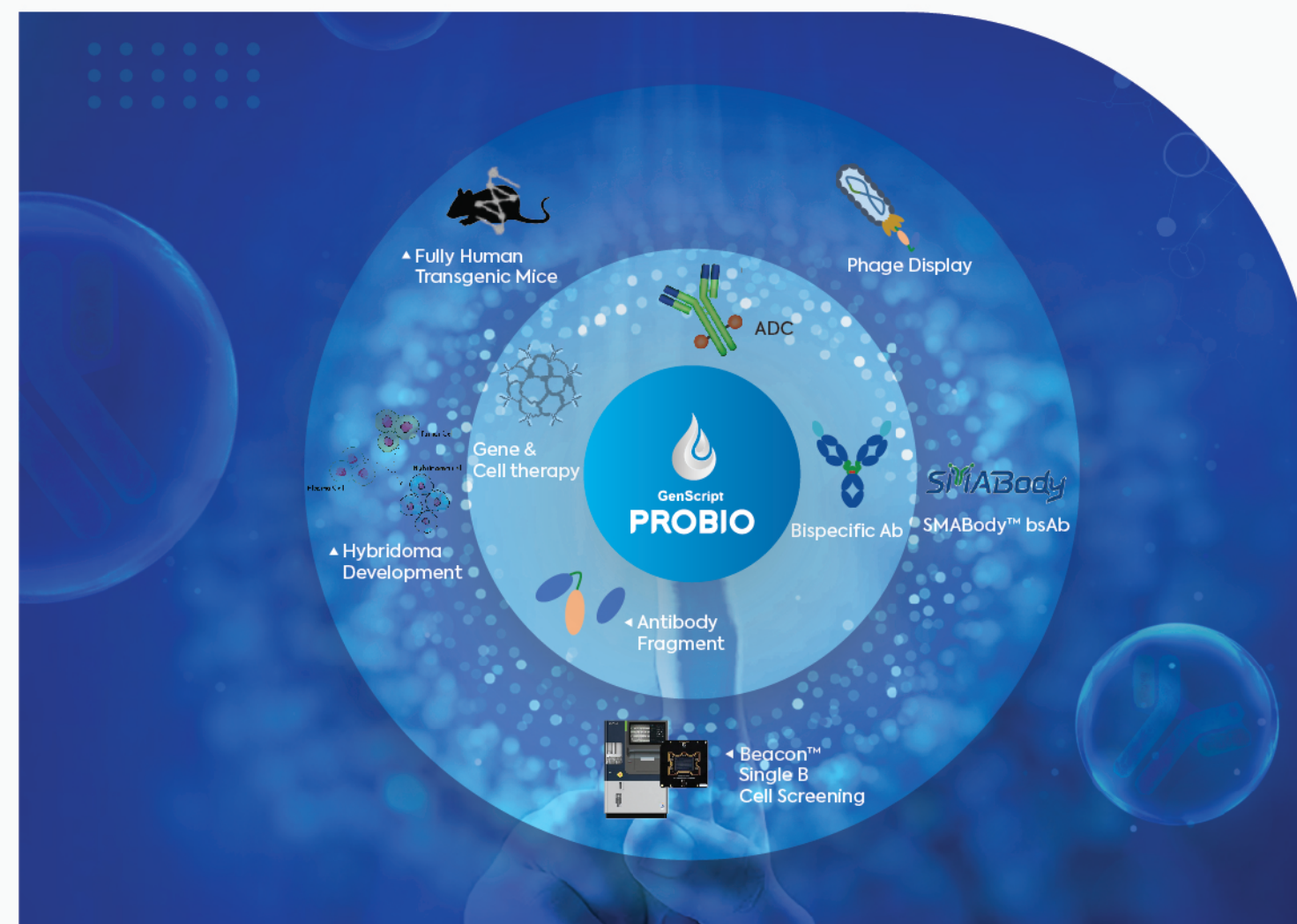
- 100+ antibody discovery projects
- High affinity (up to 10pM)
- Acquire functional antibody sequences as soon as 1 month

Hybridoma Campaign

- 500+ antibody discovery projects
- High affinity (up to 10pM)
- Cost-effective service

Human Combo Library Campaign

- Two library(human synthetic & naïve) screen together
- Acquire functional antibody sequences as soon as 1 month
- No license fee



GenScript ProBio Integrated Discovery Service

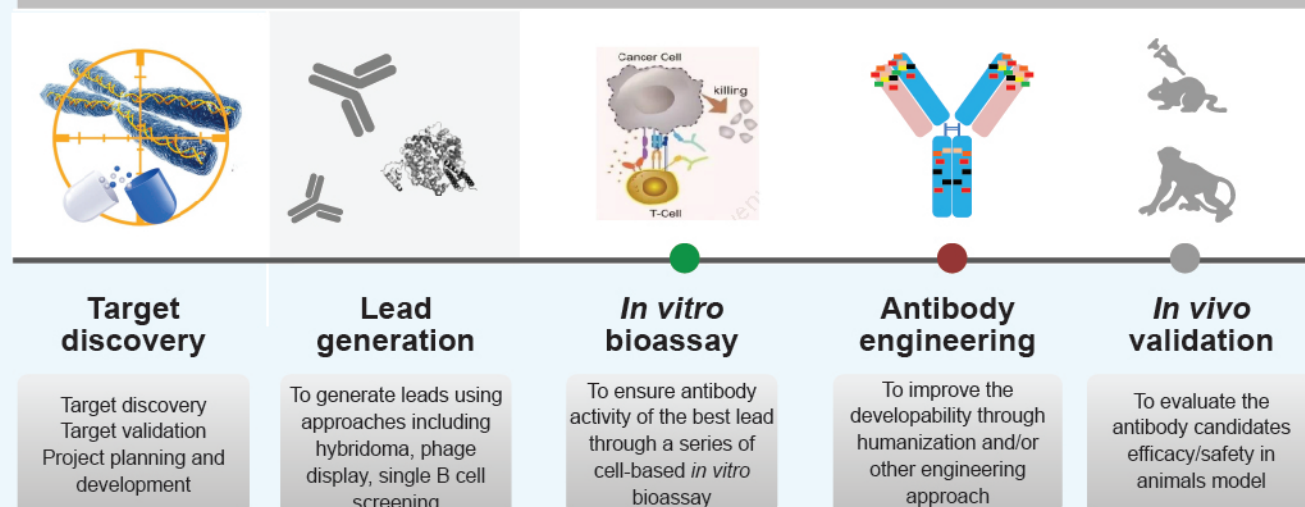
- From Target to Preclinical Candidates(PCC)
- Multiple Lead Generation Campaigns In Parallel To Increase PCC Success Rate
- Saving 7 months for *In vitro* and *In vivo* Assay Development

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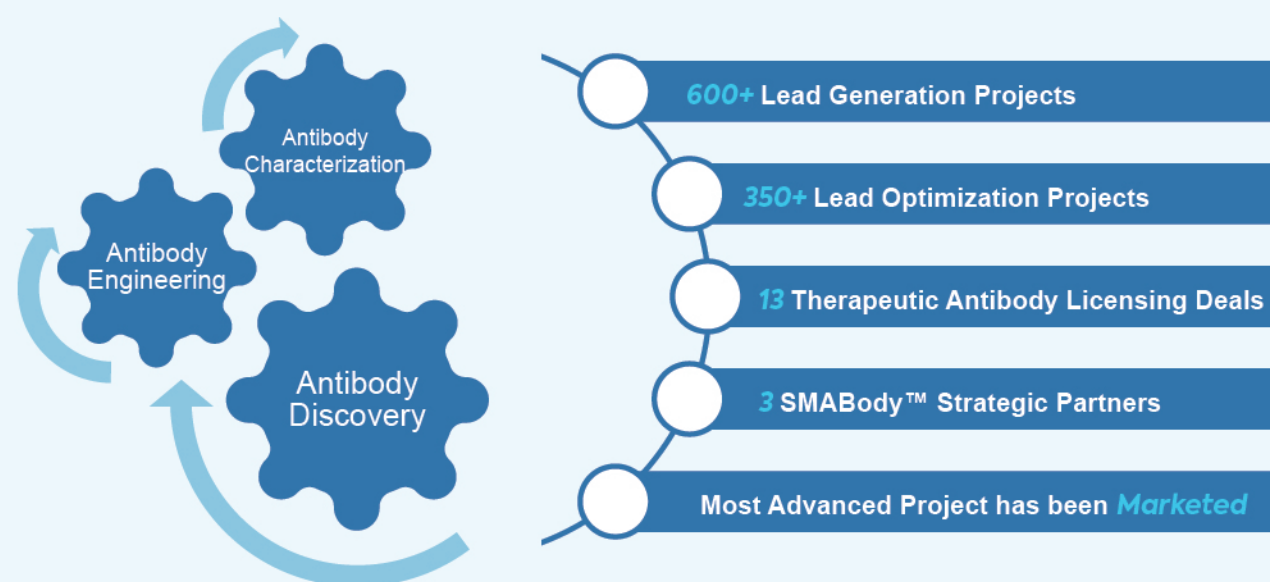
Integrated Discovery Services Overview

GenScript ProBio provides end-to-end CDMO service from drug discovery to commercialization with proactive strategies, professional solutions and efficient processes. ProBio's integrated service for biologics discovery include antibody generation (hybridoma, phase display, single B cell, fully human antibody, SMAbody™ bispecific antibody), antibody engineering (antibody humanization and affinity maturation, developability assessment) and pharmacology (*in vitro* bioassay, *in vivo* validation).

Integrated Discovery Service



Fast-Growing Global Track Records



By Mar, 2022

INTEGRATED DISCOVERY SERVICE

PROBIO

GenScript ProBio's Advantages



Time saving in 7 months

- Save the time for pharmacology method development
- Save the time for material transfer
- Save the time for international shipping between vendors



Target discovery

- From target to PCC
- Provide customized services based on target MOA and indications



Multi-campaigns for sdAb and mAb

- 2 lead generation campaigns for sdAb
- 3 lead generation campaigns for mAb
- Multiple lead generation campaigns in parallel to increase PCC success rate



Well-established pharmacology platform

- 12 types of *in vitro* assay are available
- Read-to-use functional assays for 30+ popular targets
- 6 major types of *in vivo* animal models
- Customized PK/PD biomarker analysis platform



Excellent project management team

- 10+ integrated service delivered
- Over 90% project manager with PMP qualification
- 24-hour rapid response

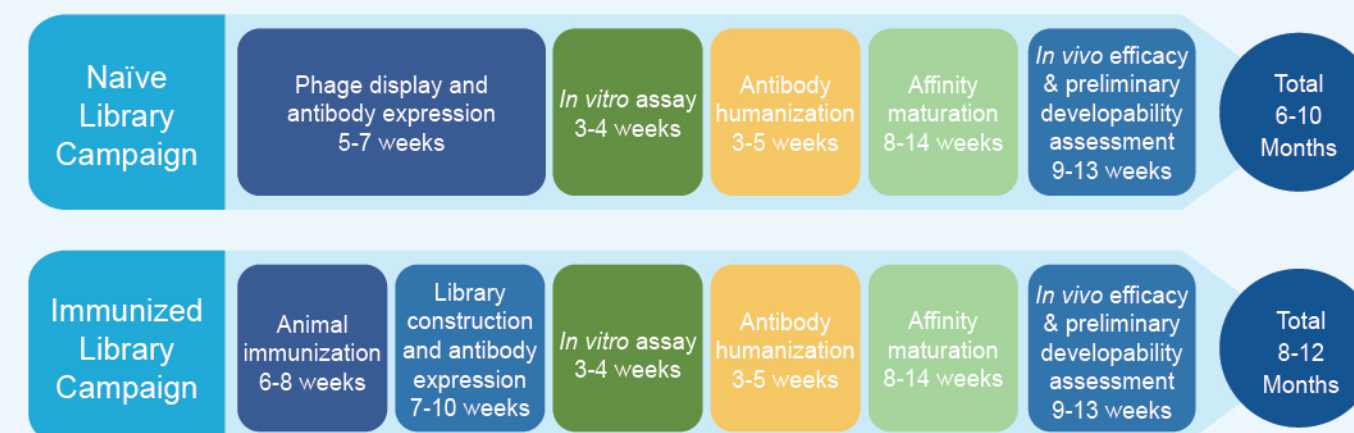


Flexible business model

- Charged by milestone or delivered PCC number
- Mitigate R&D risk

Multiple lead generation campaigns to obtain high-quality preclinical antibody candidates

Single Domain Antibody Discovery Integrated Service



Immunized Library: Using non-immunized alpaca for each project, high affinity (up to 10pM), suitable for tumor associated antigen and Immune check point

Naïve Library: 300 alpaca donors, capacity 2×10^{11} , obtained humanized Ab within 7 weeks, suitable for co-stimulatory immune checkpoint.

INTEGRATED DISCOVERY SERVICE

PROBIO