

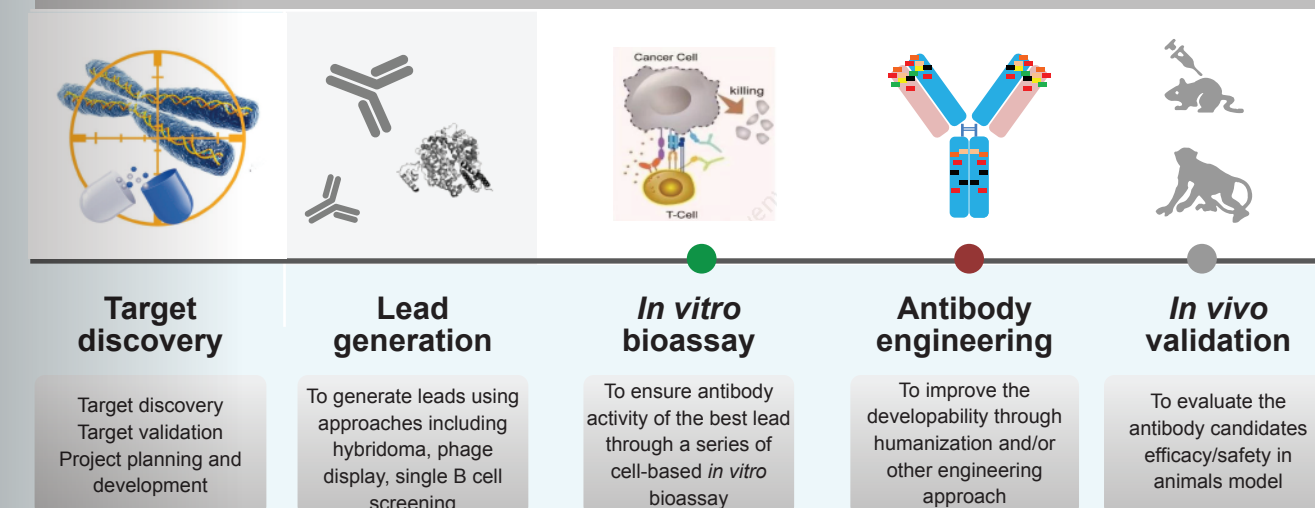
# GenScript ProBio Integrated Discovery Service

- 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

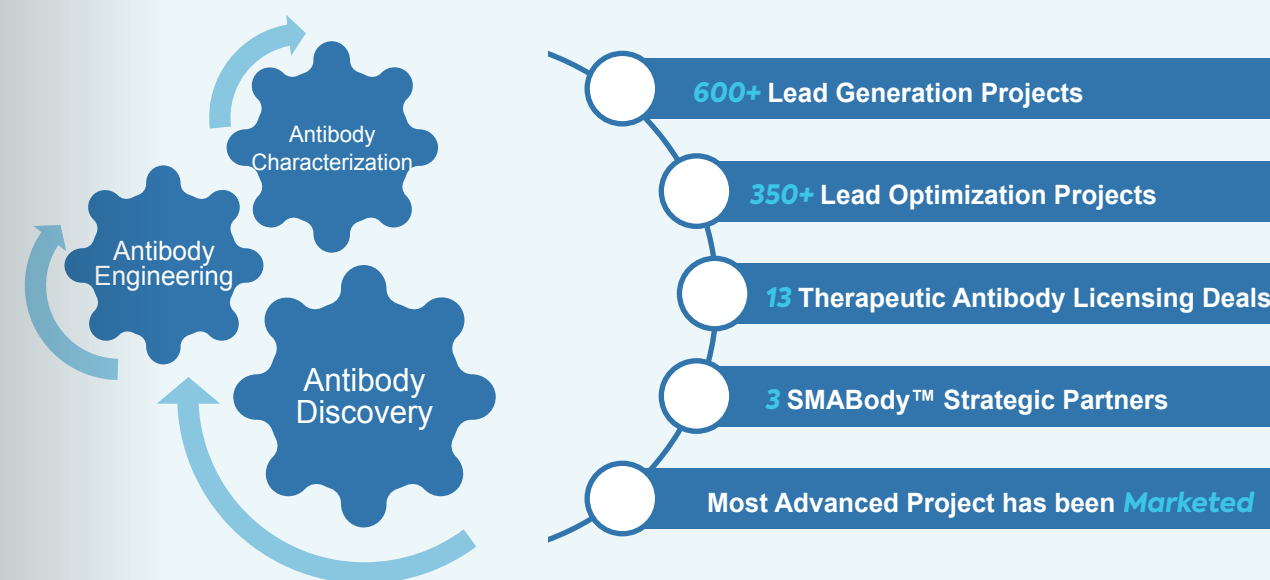
## Integrated Discovery Services Overview

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

## 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

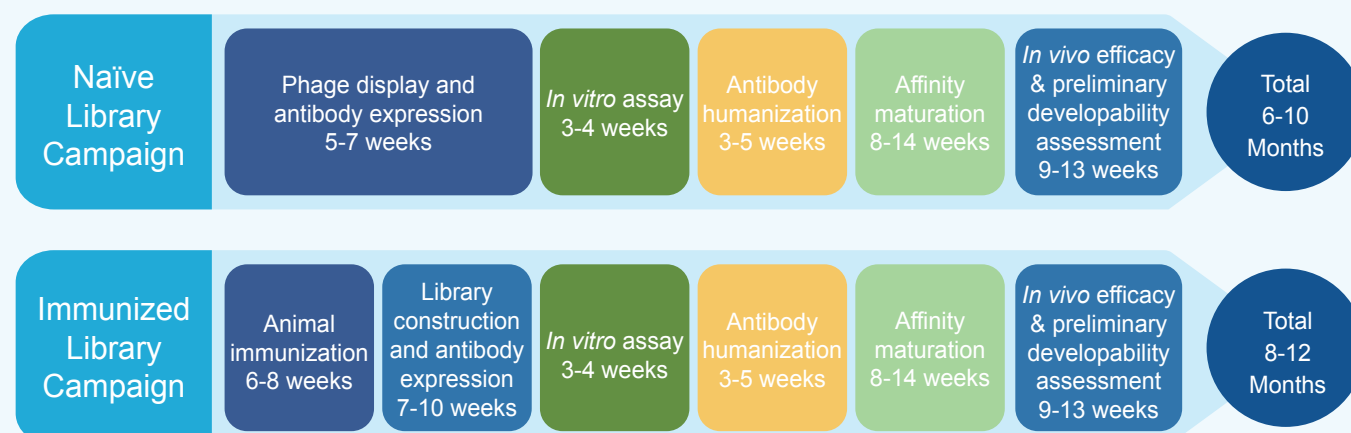


### Flexible business model

- 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

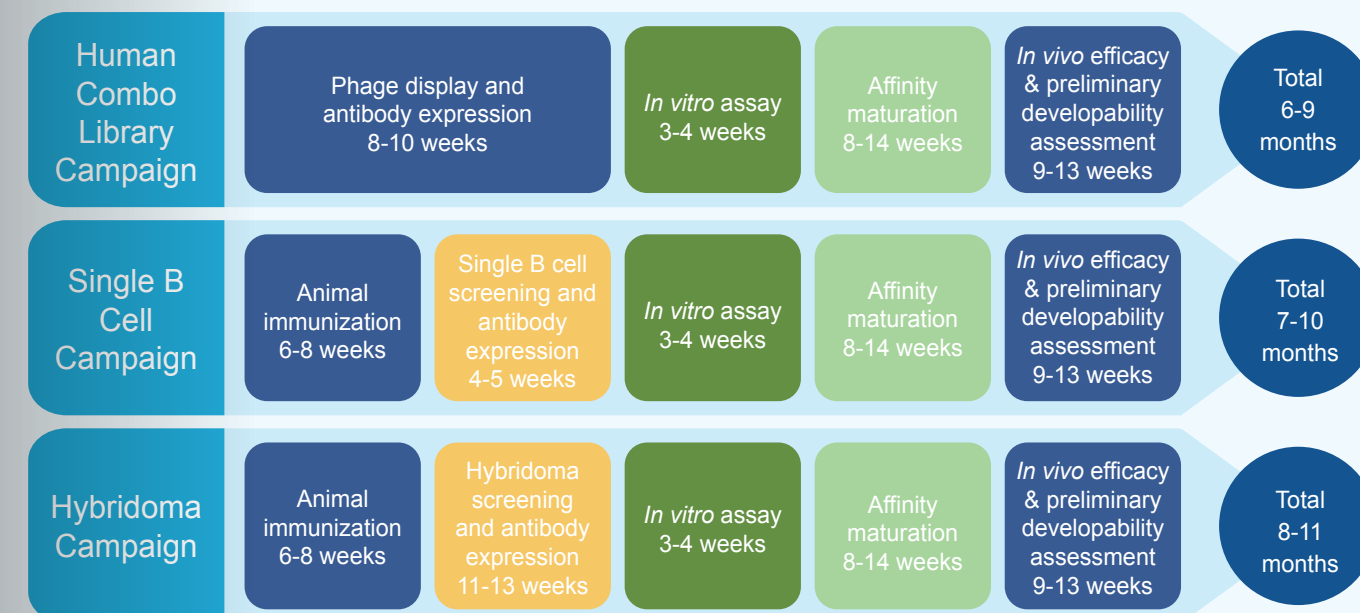


**Immunized Library:** Using non-immunized alpaca for each project, high affinity (up to 10pM), suitable for tumor associated antigen and Immune check point

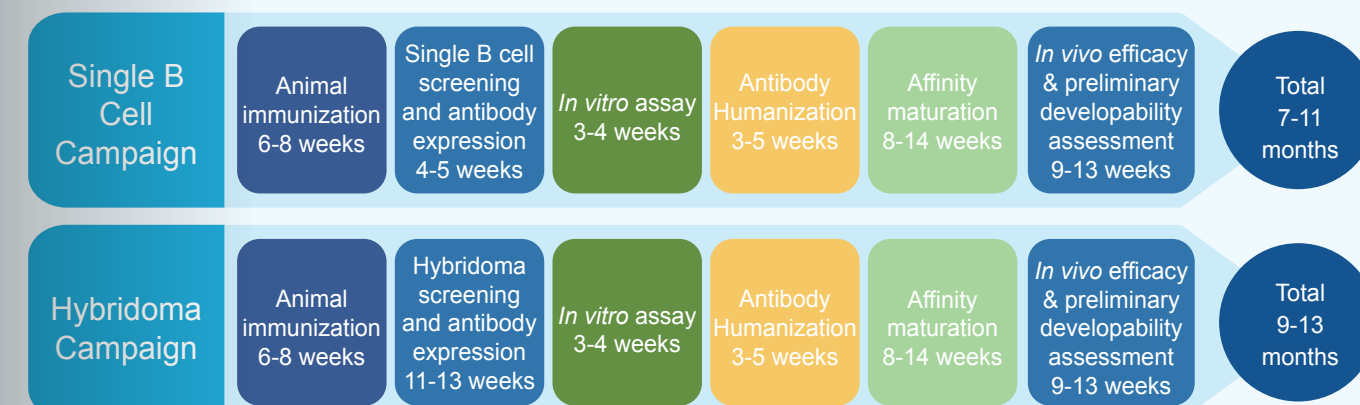
**Naïve Library:** 300 alpaca donors, capacity  $2 \times 10^{11}$ , obtained humanized Ab within 7 weeks, suitable for co-stimulatory immune checkpoint.

## 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