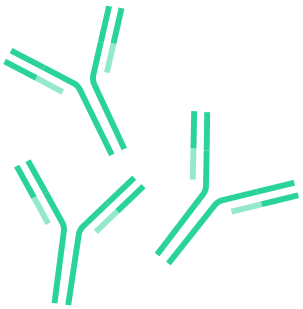
Twist Biopharma provides end-to-end solutions in biologic drug discovery and early development

END TO END SOLUTIONS



Access diverse and precisely defined synthetic antibody libraries and synthetic genes

Discover and optimize high quality antibody drugs in a time and resource efficient manner

WHY TWIST BIOPHARMA?

High Quality, High Diversity, Less Time

Decrease the time to IND by taking advantage of high diversity precisely defined libraries and automated workflows to reduce optimization cycles with Twist proprietary technology

Pursue Hard Targets

With our target class specific libraries, tackle hard-to-drug targets, e.g. GPCR

Broad Application

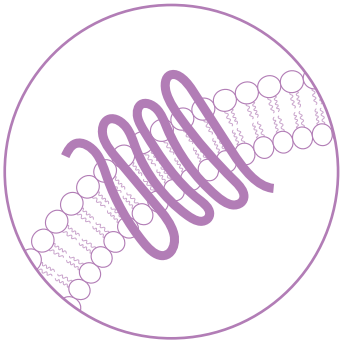
Therapeutics focused but with applications in diagnostics and reagents

Protect Confidentiality

Twist Biopharma is a division of Twist Bioscience

Work with an Experienced Team

Biologics discovery and development experience



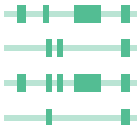
How can Twist Biopharma partner with you?

Lead Identification

- Twist mAb technology
- Antibody characterization
  - Affinity
  - Receptor-ligand assays
- In-vitro functional assay
- Developability assessment

Lead Optimization

- Affinity maturation: Powered by Twist Antibody Optimization (TAO) Libraries
- Druggability optimization by TAO
- CHO stable pools to enable predevelopment activities



Access to Unprecedented Synthetic Antibody Libraries

- Next generation naïve synthetic antibody libraries that are liability-free and inspired by the natural repertoire
- Highly diverse
- Precisely defined
- Proprietary and unique

Access to the Unmatched Twist Antibody Optimization (TAO) Platform for Lead Optimization

- Explore mutation space from parent reference sequence & germline using natural LCDR1-3 and HCDR1-2 sequences derived from NGS data
- Exclude liabilities and customer identified sequences
- Increase affinity and improve developability

Our 1st Target-Class Specific Lead Identification Library Offering

- GPCR Antibody Library
- Unlock & enable the discovery of antibodies to this difficult target class

Additional Lead Identification Libraries (in progress)

- Other single domain scaffolds
- “Target-class” specific libraries: Ion channels and transporters
- Smart “Target” specific libraries generated utilizing:
  1. Modeling tools and existing target crystal structures
  2. NGS data derived from target immunized mice
- Hyperimmune library and human immunome library: Fully synthetic naïve library based on real human NGS data

MORE INFORMATION

Contact Twist Biopharma

biopharma@twistbioscience.com

for more information.