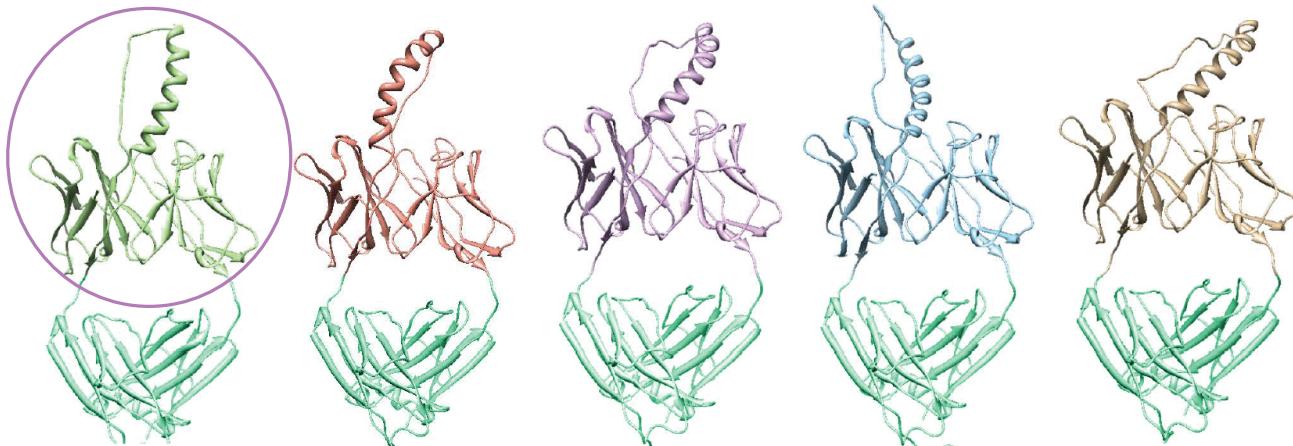


GPCR Library

Unlock the discovery of antibodies to this difficult target class



>100,000
DIFFERENT GPCR BINDING MOTIFS

Chemokines • Helical peptides • Looped peptide • GPCR • ECD1 • ECL2
Motifs derived from GPCR binding antibodies

GPCRs are Hard-to-Drug

- 30-50% of current drug targets are GPCRs but there are only 2 FDA approved antibodies
- Current antibody drug development methods do not work
- Random mutagenesis libraries are too inefficient to explore the effective sequence space

Synthetic Library Advantage

- No immunization required
- Synthetic mAb libraries focus on effective sequence space
- Simultaneous screening against multiple targets



License Twist Biopharma GPCR Libraries

**Partner with Twist Biopharma to Generate New Leads
Against Any GPCR of Interest**

Proof of Concept: GLP1R Target, Class B GPCR

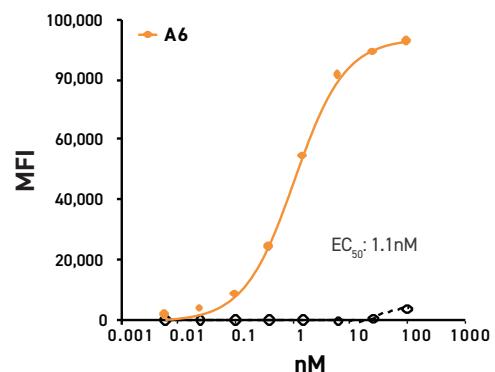
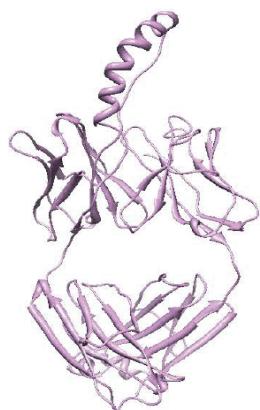
Quickly Find Dozens of Antibodies



Multiple Antibodies Bind GLP1R Over-Expressing CHO Cells and Are Functional in a cAMP Assay

- IgGs are monomeric and not prone to aggregation
- Multiple FACS positive hits include GLP-1 and GLP-2 motifs as well as additional unique sequences.

Cell Binding IgGs with Several Antagonists



A PANEL OF CELL TARGET (+) IGGS IDENTIFIED

MORE INFORMATION

Contact Twist Biopharma

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for more information.