TECHNICAL DATA SHEET

GLP1R MAb

Catalog Number: CSB0240

DESCRIPTION

Target:	GLP1R
Target aliases:	GLP-1, GLP-1-R, GLP-1R
Fc isotype:	Mouse IgG2a
Membrane proteome specificity:	Monospecific for 6,000 membrane proteins tested
Species reactivity:	Human, Mouse, Cow
Extracellular epitope:	Yes
Fc modifications:	C-terminal Avitag[1], disabled Fc-γ receptor binding[2]
Source:	Recombinant CHO expression; purified by Protein A chromatography
Formulation:	Endotoxin Free PBS pH 7.4, sterile-filtered
Concentration:	1 mg/ml

1. A peptide tag that can be biotinylated in vitro using the biotin ligase enzyme (BirA).
2. Mutated Fc-γ receptor binding site to minimize non-specific antibody binding.

GLP1R TARGET INFORMATION

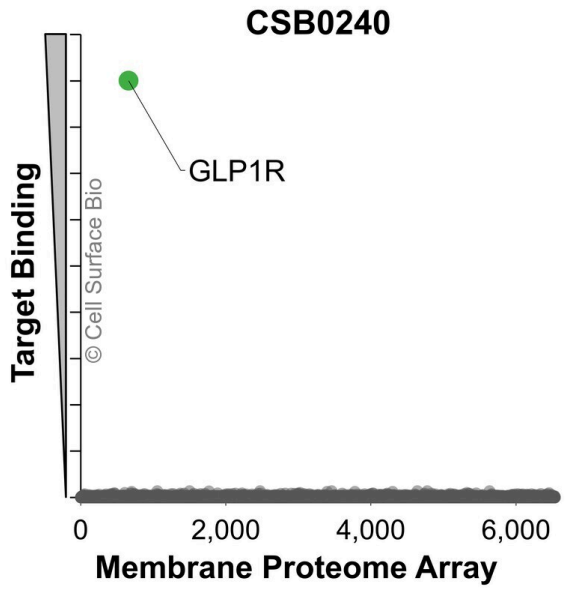
Glucagon-like peptide-1 receptor (GLP1R) is a member of the G-protein coupled receptor family that plays a critical role in glucose homeostasis by enhancing insulin secretion in response to nutrient intake. This receptor is predominantly expressed in pancreatic beta cells and is a key target in diabetes and obesity research, as it modulates satiety and energy balance. (NCBI Gene: 2740, UniProtKB/Swiss-Prot: P43220) Other names: GLP-1, GLP-1-R, GLP-1R

SHIPPING AND STORAGE

Shipping:	Shipped at ambient temperature. Store at 4°C.
Stability & Storage:	Stable for 12 months from date of receipt when stored at 4°C. Avoid repeated freeze-thaw cycles.

VALIDATION DATA

Membrane Proteome Specificity

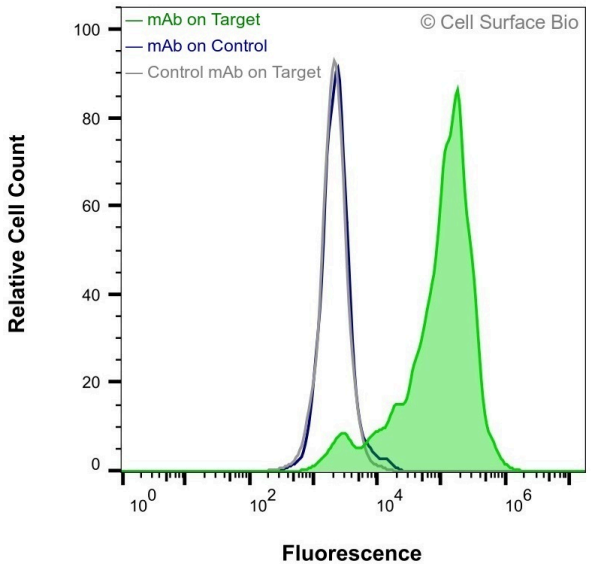


The specificity of GLP1R Monoclonal Antibody (CSB0240) was tested on the Membrane Proteome Array™ and shown to be specific for human GLP1R.

The Membrane Proteome Array™ contains 6,000 different human membrane proteins, each expressed in unfixed Human cells to ensure native conformation and post-translational modifications. The Membrane Proteome Array™ represents the industry standard for determining the binding specificity of antibodies and other protein ligands.

www.cellsurfacebio.com info@cellsurfacebio.com +1 (215) 987-0728

Applications	Conditions	Recommended concentration
Flow Cytometry, Extracellular	Live, Unpermeabilized	1 µg/ml



JS-1 cells transiently transfected with human GLP1R were stained with GLP1R Monoclonal Antibody (CSB0240) (green) or isotype control antibody (gray), followed by AlexaFluor 647- conjugated anti- IgG secondary antibody. JS-1 cells transiently transfected with an empty control vector were also stained with GLP1R Monoclonal Antibody (CSB0240) (blue).