

# Biotinylated Human GLP-1R Protein-Nanodisc

Cat. No. GLP-HM4N185BF

## Description

Valid for 6 months from date of receipt when stored at -80°C.

### Source

Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

### Accession

P43220

### Molecular Weight

The protein has a predicted MW of 85.8 kDa.

### Endotoxin

Less than 1EU per µg by the LAL method.

## Formulation and Storage

### Formulation

Supplied as 0.22 µm filtered solution in PBS (pH 7.4). Notice: Not recommended for flow cytometry in mammalian cells.

### Storage

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## Background

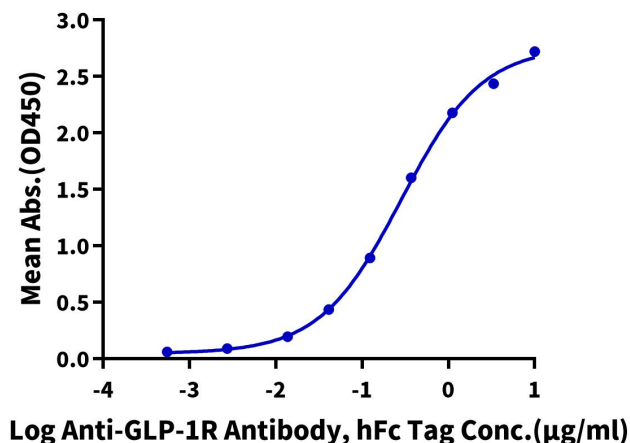
Glucagon-like peptide-1 receptor (GLP-1R) is a critical therapeutic target for type 2 diabetes mellitus (T2DM). GLP-1R emerged as an important pharmacological target for addressing T2DM, as it actively contributes to maintaining glucose homeostasis while promoting both β cell proliferation and insulin release. The impact of GLP-1R agonists such as semaglutide extends beyond diabetes control: they play a multifaceted role in regulating blood glucose levels by reducing hunger, moderating food intake, and managing body weight. Notably, GLP-1R agonists inhibit cancer progression in some malignant tumors.

## Assay Data

### ELISA Data

#### Biotinylated Human GLP-1R Nanodisc, His Tag ELISA

0.5µg Biotinylated Human GLP-1R Nanodisc, His Tag Per Well



Immobilized Biotinylated Human GLP-1R Nanodisc, His Tag at 5µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-GLP-1R Antibody, hFc Tag with the EC50 of 0.28µg/ml determined by ELISA (QC Test).