

# Biotinylated Human CXCR4 Protein-Nanodisc

Cat. No. CXR-HM1RNB

## Description

Source	Recombinant Biotinylated Human CXCR4 Protein-Nanodisc is expressed from HEK293 with His tag at the C-terminus. It contains Met1-Ser352.
Accession	P61073-1
Molecular Weight	The protein has a predicted MW of 52.60 kDa.
Endotoxin	Less than 1 EU 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	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

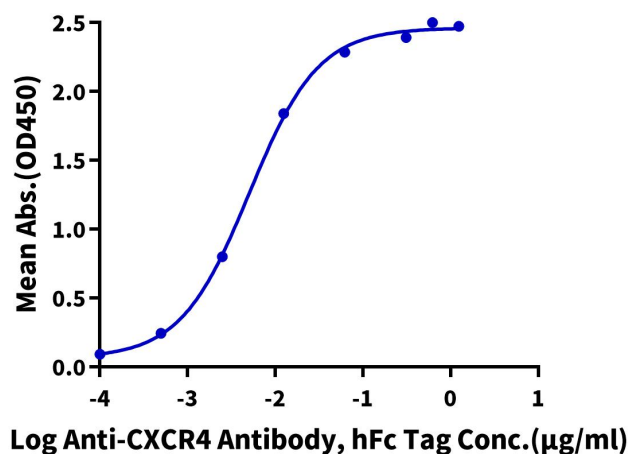
CXC chemokine receptor type 4 (CXCR4) is a member of the G protein-coupled receptors (GPCRs) superfamily and is specific for CXC chemokine ligand 12 (CXCL12, also known as SDF-1), which makes CXCL12/CXCR4 axis. CXCR4 interacts with its ligand, triggering downstream signaling pathways that influence cell proliferation chemotaxis, migration, and gene expression.

## Assay Data

### ELISA Data

#### Biotinylated Human CXCR4 Nanodisc, His Tag ELISA

0.5µg Biotinylated Human CXCR4 Nanodisc, His Tag Per Well



Immobilized Biotinylated Human CXCR4 Nanodisc, His Tag at 5µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-CXCR4 Antibody, hFc Tag with the EC50 of 5.1ng/ml determined by ELISA (QC Test).