

PRODUCT INFORMATION

Tag

Target

CXCR7

Synonyms

RDC1; ACKR3; RDC-1; CMKOR1; CXC-R7; CXCR-7; GPR159

Description

Biotinylated Human CXCR7 full length protein-synthetic nanodisc

Delivery

In Stock

Uniprot ID

P25106

Expression Host

HEK293

Protein Families

Transmembrane

Protein Pathways

Axon guidance, Chemokine signaling pathway, Cytokine-cytokine receptor interaction, Endocytosis, Leukocyte transendothelial migration

Molecular Weight

The human full length CD4 Protein has a MW of 44.4 kDa.

Formulation & Reconstitution

Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.

Storage & Shipping

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

Background

This gene encodes a member of the G-protein coupled receptor family. Although this protein was earlier thought to be a receptor for vasoactive intestinal peptide (VIP), it is now considered to be an orphan receptor, in that its endogenous ligand has not been identified. The protein is also a coreceptor for human immunodeficiency viruses (HIV). Translocations involving this gene and HMGA2 on chromosome 12 have been observed in lipomas. [provided by RefSeq, Jul 2008]

Usage

Research use only

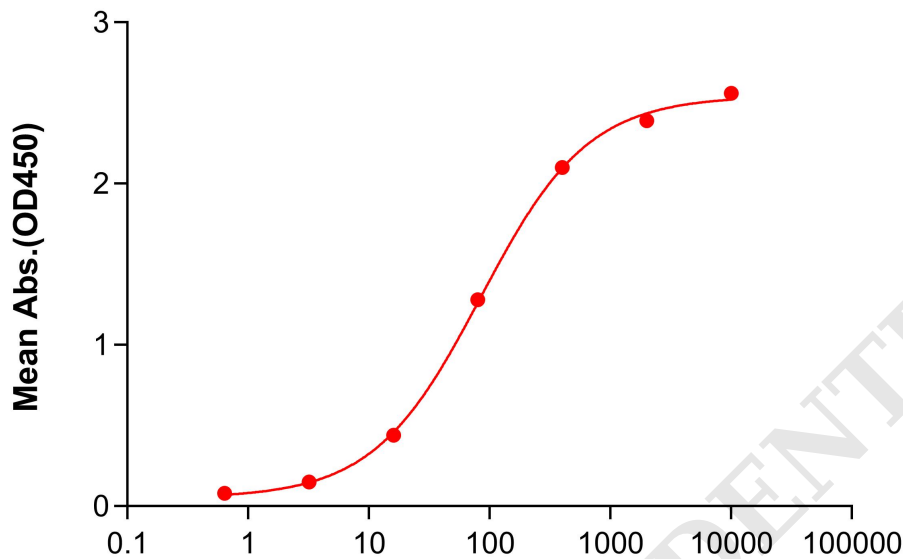
Conjugate

Biotinylated



Biotinylated Human CXCR7 full length protein-synthetic nanodisc ELISA

0.2 µg of Anti-Flag Rabbit mAb, Flag tagged protein per well

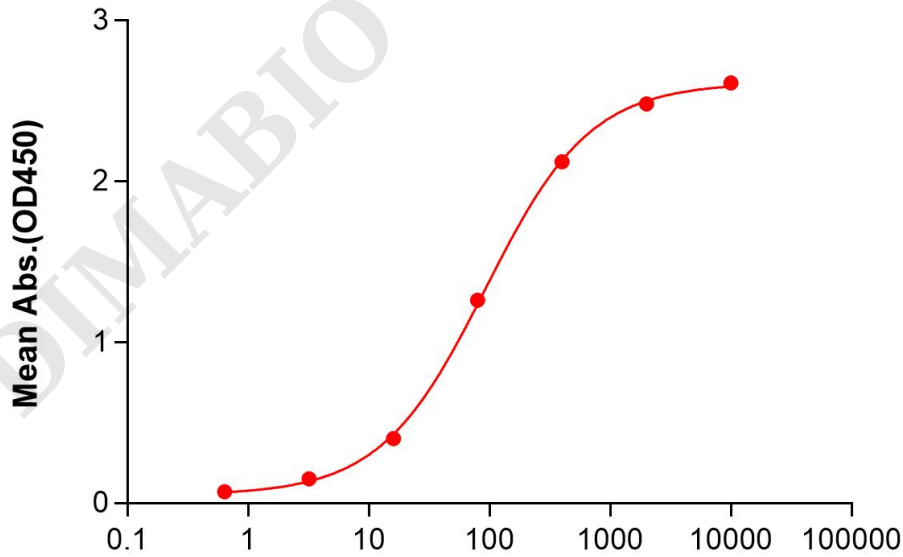


Biotinylated Human CXCR7 full length protein-synthetic nanodisc (ng/mL)

Figure 1. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Anti-Flag Rabbit mAb can bind Biotinylated Human CXCR7 full length protein-synthetic nanodisc(FLP100095B) in a linear range of 16-400 ng/mL. In order to specifically detect FLP100095B, HRP Conjugated Streptavidin was used as detection antibody.

Biotinylated Human CXCR7 full length protein-synthetic nanodisc ELISA

0.2 µg of Anti-CXCR7 antibody, IgG1 Chimeric mAb protein per well



Biotinylated Human CXCR7 full length protein-synthetic nanodisc (ng/mL)

Figure 2. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Anti-CXCR7 antibody, IgG1 Chimeric mAb can bind Biotinylated Human CXCR7 full length protein-synthetic nanodisc(FLP100095B) in a linear range of 16-400 ng/mL. In order to specifically detect FLP100095B, HRP Conjugated Streptavidin was used as detection antibody.



Biotinylated Human CXCR7 full length protein-synthetic nanodisc ELISA
0.2µg Biotinylated Human CXCR7-Nanodisc, Flag Tag per well

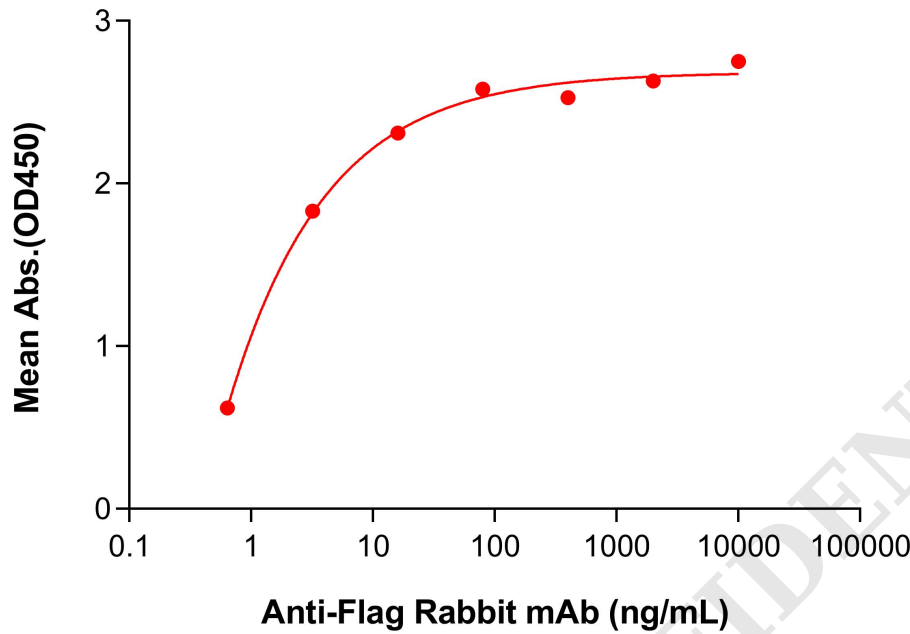


Figure 3. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Biotinylated Human CXCR7 full length protein-synthetic nanodisc(FLP100095B) can bind Anti-Flag Rabbit mAb in a linear range of 0.64-16 ng/mL.

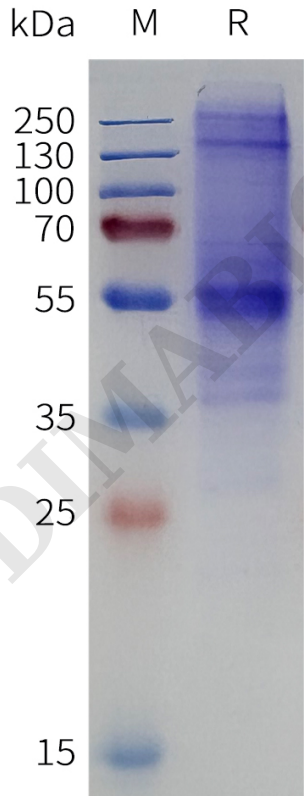


Figure 4. Biotinylated Human CXCR7-Nanodisc, Flag Tag on SDS-PAGE

