**Delivery** 

**Background** 



## **PRODUCT INFORMATION**

Tag C-Flag Tag CXCR1 **Target** 

C-C; C-C-CKR-1; CD128; CD181; CDw128a; CKR-1; **Synonyms** 

CMKAR1; IL8R1; IL8RA; IL8RBA

Human CXCR1 full length protein-synthetic Description

nanodisc In Stock

**Uniprot ID** P25024 **HEK293 Expression Host** 

**Protein Families** Druggable Genome, GPCR, Transmembrane

Chemokine signaling pathway, Cytokine-cytokine receptor interaction, Endocytosis, Epithelial cell signaling in Helicobacter pylori infection **Protein Pathways** 

The human full length CXCR1 protein has a MW of **Molecular Weight** 

39.8 kDa

Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% Formulation & - 8% trehalose is added as protectants before Reconstitution lyophilization. Please see Certificate of Analysis

for specific instructions of reconstitution. 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

Storage & Shipping at -80°C (Avoid repeated freezing and thawing).

Lyophilized proteins are shipped at ambient

temperature.

The protein is a member of the G-protein-coupled receptor family. This protein is a receptor for interleukin 8 (IL8). It binds to IL8 with high affinity, and transduces the signal through a G-

aminity, and transduces the signal through a Gprotein activated second messenger system.
Knockout studies in mice suggested that this
protein inhibits embryonic oligodendrocyte
precursor migration in developing spinal cord.
This gene, IL8RB, a gene encoding another high
affinity IL8 receptor, as well as IL8RBP, a
pseudogene of IL8RB, form a gene cluster in a
region manned to chromosome 2323 a36 region mapped to chromosome 2q33-q36.

Usage Research use only Conjugate Unconjugated



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## ELISA assay to evaluate CXCR1-Nanodisc 0.2µg Human CXCR1-Nanodisc per well

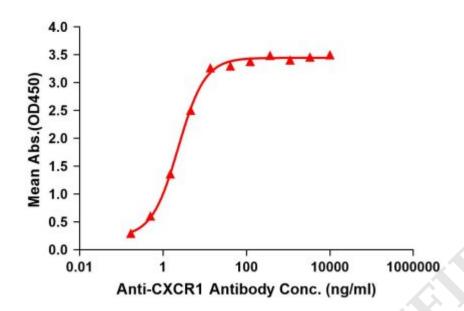


Figure 1. Elisa plates were pre-coated with Flag Tag CXCR1-Nanodisc ( $0.2\mu g/per$  well). Serial diluted anti-CXCR1 monoclonal antibody (DMC100470) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-CXCR1 monoclonal antibody binding with CXCR1-Nanodisc is 2.330 ng/ml.

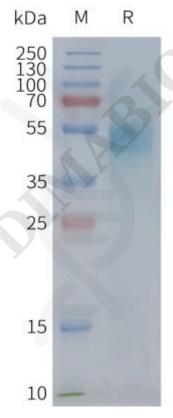


Figure 2. Human CXCR1-Nanodisc, Flag Tag on SDS-PAGE

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