

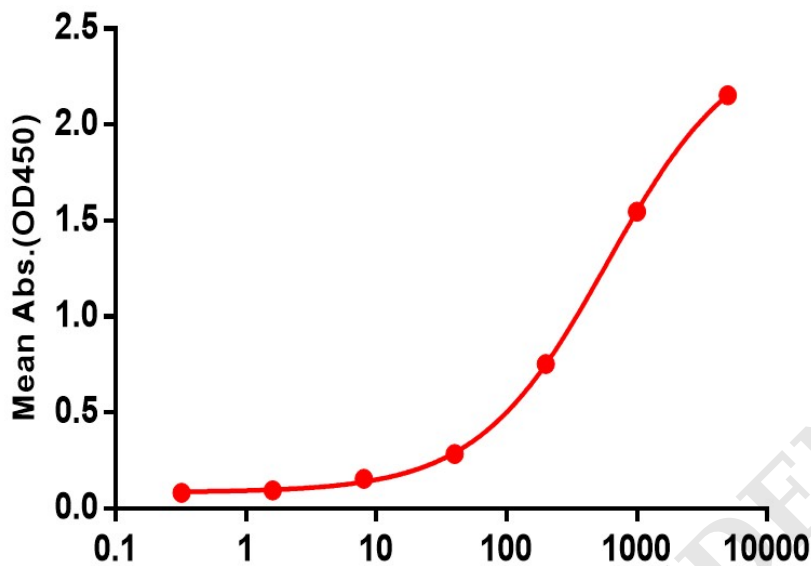
PRODUCT INFORMATION

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| Tag | Biotinylated, C-Flag&Avi Tag |
| Target | CXCR4 |
| Synonyms | CD184; D2S201E; FB22; HM89; HSY3RR; LAP-3; LAP3; LCR1; LESTR; NPY3R; NPYR; NPYRL; NPYY3R; WHIM; WHIMS1 |
| Description | Biotinylated Human CXCR4 full length protein-synthetic nanodisc |
| Delivery | In Stock |
| Uniprot ID | P61073 |
| 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 CXCR4 Protein has a MW of 44.5 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 CXC chemokine receptor specific for stromal cell-derived factor-1. The protein has 7 transmembrane regions and is located on the cell surface. It acts with the CD4 protein to support HIV entry into cells and is also highly expressed in breast cancer cells. Mutations in this gene have been associated with WHIM (warts, hypogammaglobulinemia, infections, and myelokathexis) syndrome. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008] |
| Usage | Research use only |
| Conjugate | Unconjugated |



Biotinylated Human CXCR4 full length protein-synthetic nanodisc ELISA

0.2 μ g of Anti-CXCR4 antibody, IgG1 Chimeric mAb protein per well



Biotinylated Human CXCR4 full length protein-synthetic nanodisc (ng/mL)

Figure 1. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Anti-CXCR4 antibody(DMC680); IgG1 Chimeric mAb (DMC100680) can bind Biotinylated Human CXCR4 full length protein-synthetic nanodisc (FLP100074B) in a linear range of 16-2000 ng/mL. In order to specifically detect FLP100074B, HRP Conjugated Streptavidin was used as detection antibody.



Figure 2. Biotinylated Human CXCR4-Nanodisc, Flag Tag on SDS-PAGE

