HUMAN CXCR4 FULL LENGTH PROTEIN

Cat.#: 11055

Product Name: Human CXCR4 Full Length Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: CD184; D2S201E; FB22; HM89; HSY3RR; LAP-3; LAP3; LCR1; LESTR; NPY3R; NPYR; NPYRL; NPYY3R; WHIM; WHIMS

Target: CXCR4

UNIPROT ID: P61073

Description: Human CXCR4 full length protein-synthetic nanodisc

Background: 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.

Species/Host: HEK293

Molecular Weight: The human full length CXCR4 protein has a MW of 39.7 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.

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.

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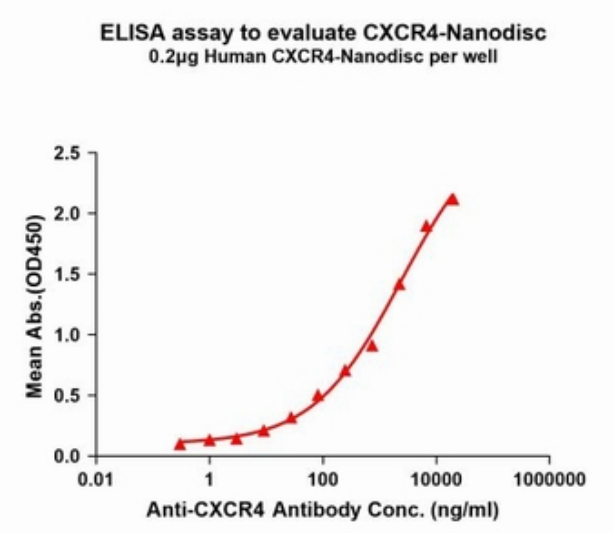

Figure1. Elisa plates were pre-coated with Flag Tag CXCR4-Nanodisc (0.2 μg/per well). Serial diluted anti-CXCR4 monoclonal antibody (28101) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-CXCR4 monoclonal antibody binding with CXCR4-Nanodisc is 2442ng/ml.

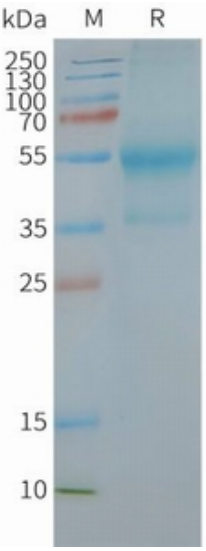

Figure2. Human CXCR4-Nanodisc, Flag Tag on SDS-PAGE

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