

PRODUCT INFORMATION

Warning: Undefined variable ShasAttributeValueDescription in C:\www.root\mirror.dimablo.com\wp-content\plugins\woocommerce-print-products\public\class-woocommerce-print-products-public.php on line 2806 C-Flag Tag Tag

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

Human CXCR4 full length protein-synthetic nanodisc

Delivery Uniprot ID P61073 HEK293 **Expression Host**

Protein Families Druggable Genome, ES Cell Differentiation/IPS, GPCR, 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 39.7 kDa

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 of reconstitution. Formulation & Reconstitution

Storage & Shipping

Store at -20°C to -80°C for I2 months in lyophilized form. After reconstitution, in for intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

A CXC chemokine receptor specific for stromal cell-derived factor-I. The protein has 7 transmembrane regions and is located on the cell surface, it act 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 wit WHIM (warts, hypogammaglobulinemia, infections, and myelokathexis) syndroms.

Usage Research use only Conjugate Unconjugated

ELISA assay to evaluate CXCR4-Nanodisc 0.2µg Human CXCR4-Nanodisc per well

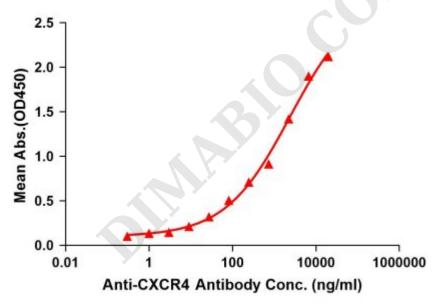


Figure 1. Elisa plates were pre-coated with Flag Tag CXCR4-Nanodisc ($0.2\mu g/per$ well). Serial diluted anti-CXCR4 monoclonal antibody (BME100101) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-CXCR4 monoclonal antibody binding with CXCR4-Nanodisc is 2442ng/ml.

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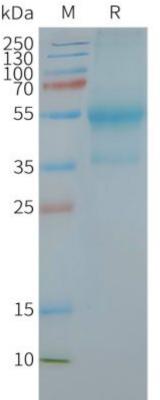


Figure 2. Human CXCR4-Nanodisc, Flag Tag on SDS-PAGE



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