
Product Name: Human CXCR4 Full Length Protein, Displayed on Virus-Like Particles (VLPs)

Product Code: CMP-24005

FOR RESEARCH USE ONLY (RUO)

Protein Name: CXCR4, VLP

Alternate Name(s): FB22, HM89, LAP3, LCR1, NPYR, WHIM, CD184, LAP-3, LESTR, NPY3R, NPYRL, WHIMS, HSY3RR, NPYY3R, WHIMS1, and D2S201E

Expression Host
HEK293T

Amino Acid Range
Met1-Ser352

Protein Construct

The human CXCR4 full length protein (UniProt# P61073), displayed on Virus-Like Particles (VLPs), and mimics the native protein conformation on the cell surface. Expressed in HEK293T cell line.

Shipping Conditions
Frozen Dry Ice

Formulation
0.45µm filtered PBS, pH 7.4

Stability & Storage

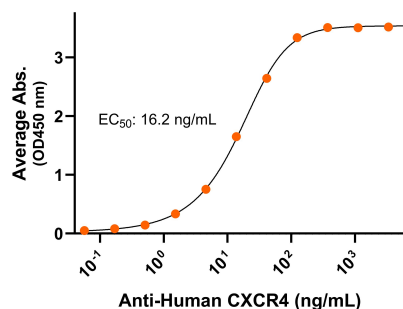
On receipt, store at -70 C or lower for long term storage.

This product is stable at:
-70 C for 6 months from date of receipt.

Avoid repeated freeze-thaw cycles

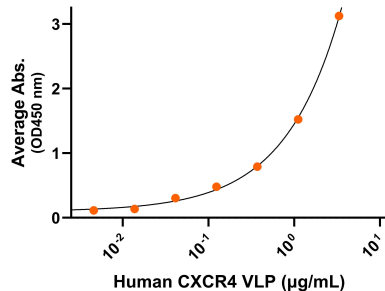
Antibody Binding

Human CXCR4 full length, ELISA
0.5µg of CXCR4 VLP per well



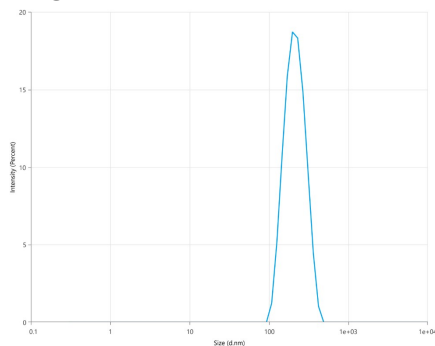
Immobilized human CXCR4 VLP (Cat. No. CMP-24005) at 5 µg/mL (100 µL/well) can bind anti-human CXCR4 monoclonal antibody with half maximal effective concentration (EC₅₀) range of 5.5-22 ng/mL (QC tested).

Human CXCR4 VLP / CXCL12, ELISA
0.5µg of CXCL12 protein per well



Immobilized human CXCL12 at 5 µg/mL (100 µL/well) can bind human CXCR4 VLP (Cat. No. CMP-24005) (QC tested).

DLS



The mean peak diameter (nm) of the CMP is 193.8 with a range of 173.8-213.8 with more than 95% intensity as determined by dynamic light scattering (DLS).

Background

C-X-C chemokine receptor type 4 (CXCR4) is also known as CD184, D2S201E, FB22, HM89, HSY3RR, LAP3, LCR1, LESTR, NPY3R, NPYR, NPYRL, NPY3R or WHIM. CXCR-4 is a G protein-coupled receptor (GPCR) for the C-X-C motif chemokine 12 (CXCL12), also known as stromal cell-derived factor 1 (SDF-1). CXCR4 also acts as a co-receptor for HIV infection.