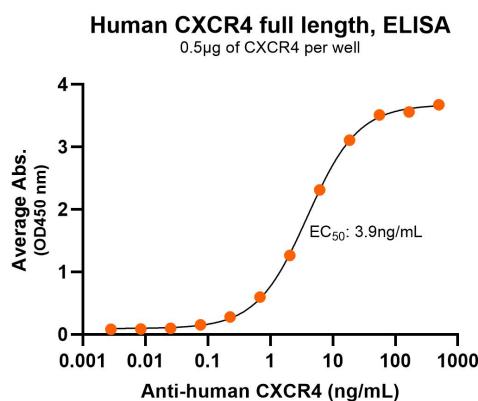
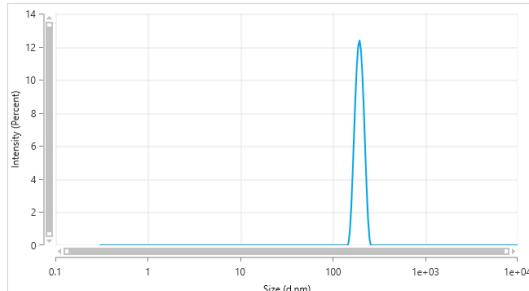


Bioactivity – Antibody Binding



Immobilized human CXCR4 VLP (Cat. No. CMP-24005) at 5 μ g/mL (100 μ L/well) can bind anti-human CXCR4 monoclonal antibody with half maximal effective concentration (EC₅₀) range of 2.3-9.19 ng/mL (QC tested).

DLS



The mean peak diameter (nm) of the CMP is 185.3 with a range of 161.3-203.5 with more than 95% intensity as determined by dynamic light scattering (DLS).



Human CXCR4 Full Length Protein, Displayed on Virus-Like Particles (VLPs)
Product Code: CMP-24005
For Research Use Only (RUO)

Expression Host
HEK293T

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

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

Protein Name
CXCR4

Amino Acid Range
Met1-Ser352

Formulation
0.45µm filtered PBS, pH 7.4

Stability & Storage
-80°C

Background

C-X-C chemokine receptor type 4 (CXCR4) is also known as CD184, D2S201E, FB22, HM89, HSY3RR, LAP3, LCR1, LESTR, NPY3R, NPYR, NPYRL, NPYY3R 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.