

Active Recombinant Full Length Human CXCR4 Protein

Cat. No. CXCR4-37H Lot. No. (See product label)

SPECIFICATION

Product Overview	The human CXCR4 full length protein (amino acids Met1-Ser352) is displayed on nanoparticles and expressed in HEK293T cells.
Species	Human
Source	HEK293T
ProteinLength	1-352 aa
Description	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.
Application	Verified Applications: ELISA for CXCR4-specific antibody binding assays. Suggested Applications: Animal immunization, RUO.
Storage	Store at -80 centigrade.
Storage Buffer	0.22µm filtered PBS, pH 7.4
Shipping	Frozen Dry Ice

GENE INFORMATION

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Gene Name	CXCR4 chemokine (C-X-C motif) receptor 4 [Homo sapiens (human)]
Official Symbol	CXCR4
Synonyms	CXCR4; chemokine (C-X-C motif) receptor 4; chemokine (C X C motif), receptor 4 (fusin); C-X-C chemokine receptor type 4; CD184; D2S201E; fusin; HM89; HSY3RR; LESTR; NPY3R; NPYR; NPYY3R; CXC-R4; CXCR-4; CD184 antigen; SDF-1 receptor; neuropeptide Y receptor Y3; seven transmembrane helix receptor; stromal cell-derived factor 1 receptor; lipopolysaccharide-associated protein 3; seven-transmembrane-segment receptor, spleen; leukocyte-derived seven transmembrane domain receptor; leukocyte-derived seven-transmembrane-domain receptor; FB22; LAP3; LCR1; WHIM; NPYRL;
Gene ID	7852
mRNA Refseq	NM_001008540
Protein Refseq	NP_001008540
MIM	162643
UniProt ID	P61073
Dynamic Light Scattering	

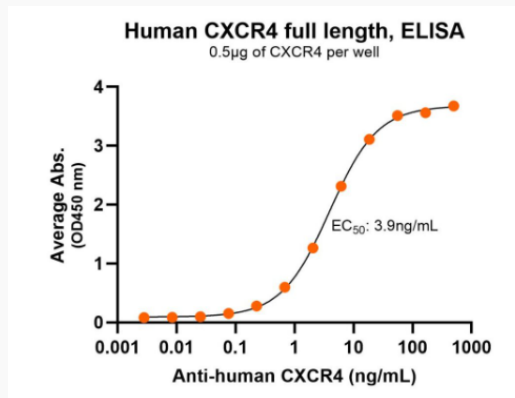
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The mean peak diameter (nm) of the full length CXCR4 displayed on nanoparticles is 185.3 with a range of 161.3-203.5 with more than 95% intensity as determined by dynamic light scattering (DLS).

Bioactivity-Antibody Binding



Immobilized human CXCR4 VLP at 5 µg/mL (100 µL/well) can bind anti-human CXCR4 monoclonal antibody with EC₅₀ range of 2.3-9.19 ng/mL (QC tested).

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