

Active Recombinant Full Length Human CXCR4 Nanoparticles

Cat. No. CXCR4-09HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

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, 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.
Applications	ELISA for CXCR4-specific antibody binding assays.
Storage	Store at -80 centigrade.
Storage Buffer	0.2 µm filtered PBS, pH 7.4, no preservatives
Shipping	Frozen Dry Ice

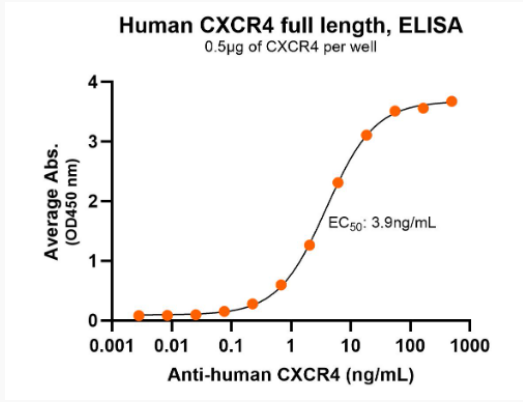
GENE INFORMATION

Gene Name	CXCR4 C-X-C motif chemokine receptor 4 [Homo sapiens (human)]
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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; NPY3R; 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
Anti-human CXCR4 Antibody Binding	 Human CXCR4 full length, ELISA 0.5µg of CXCR4 per well Average Abs. (OD450 nm) EC₅₀: 3.9ng/mL Anti-human CXCR4 (ng/mL)

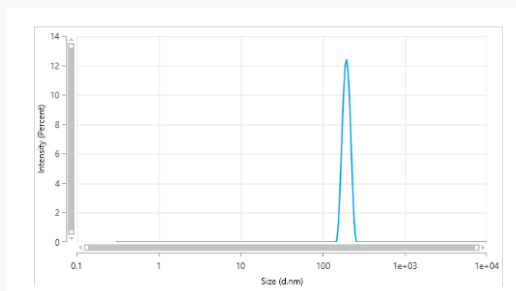
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Immobilized human CXCR4 VLP at 5 µg/mL (100 µL/well) can bind anti-human CXCR4 monoclonal antibody with EC50 range of 2.3-9.19 ng/mL (QC tested).

Human CXCR4 Full Length, DLS



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).

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