Active Recombinant Full Length Human CXCR5 Protein, Virus-Like Particles

Cat. No. CXCR5-19H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CXCR5 (C-X-C motif chemokine receptor 5) is a receptor for chemokine CXCL13, also known as BLR1, CD185, and MDR15. CXCR5 is a G protein-coupled receptor (GPCR) with seven transmembrane domains. The human CXCR5 full length protein (amino acids Met1-Phe372; UniProt# P32302), displayed on Virus-Like Particles (VLPs) mimics the native protein conformation on the cell surface. The CXCR5 Virus-Like Particle (VLP) is expressed in HEK293 cells. The CXCR5 has potent binding to its ligand CXCL13 and the CXCR5-specific antibodies.
Species	Human
Source	HEK293T
ProteinLength	1-372 aa
Description	C-X-C chemokine receptor type 5 (CXCR5) is also known as CD185, Burkitt lymphoma receptor 1 (BLR1) and monocyte-derived receptor 15 (MDR15). CXCR-5 is a G protein-coupled receptor (GPCR) for the C-X-C motif chemokine 13 (CXCL13). It enables T cells to migrate to lymph node and the B cell zones.
Form	0.45 μm filtered PBS, pH 7.4
Applications	Verified Applications: ELISA for CXCR5-specific antibody binding assays. Suggested Applications: Animal immunization, RUO.

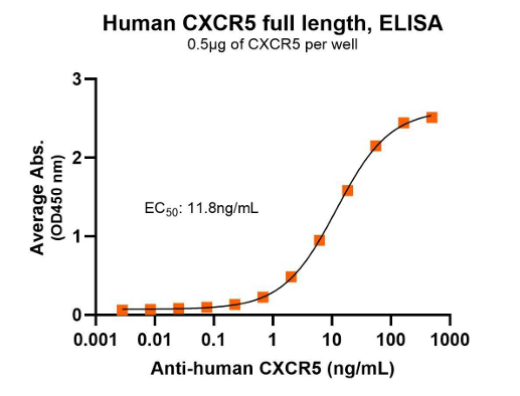
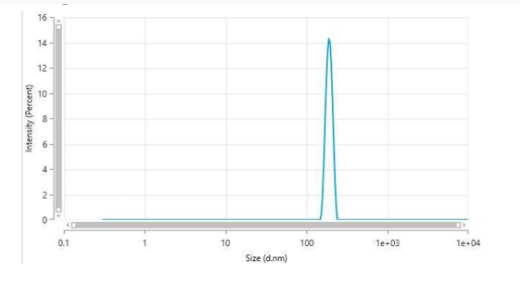
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Storage	Store at -80 centigrade.
Shipping	Frozen Dry Ice

GENE INFORMATION

Gene Name	CXCR5 chemokine (C-X-C motif) receptor 5 [Homo sapiens (human)]
Official Symbol	CXCR5
Synonyms	CXCR5; chemokine (C-X-C motif) receptor 5; BLR1, Burkitt lymphoma receptor 1, GTP binding protein (chemokine (C X C motif) receptor 5), Burkitt lymphoma receptor 1, GTP binding protein; C-X-C chemokine receptor type 5; CD185; MDR15; CXC-R5; CXCR-5; MDR-15; monocyte-derived receptor 15; Burkitt lymphoma receptor 1, GTP-binding protein; Burkitt lymphoma receptor 1, GTP binding protein (chemokine (C-X-C motif) receptor 5); BLR1; MGC117347;
Gene ID	643
mRNA Refseq	NM_001716
Protein Refseq	NP_001707
MIM	601613
UniProt ID	P32302

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Bioactivity-Antibody Binding	 Immobilized human CXCR5 VLP at 5 μg/mL (100 μL/well) can bind monoclonal anti-human CXCR5 antibody with half maximal effective concentration (EC50) range of 6.4-25.7 ng/mL.
DLS	 The mean peak diameter (nm) is 187.6 with a range of 170.9-207.8 with more than 95% intensity as determined by dynamic light scattering (DLS).

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