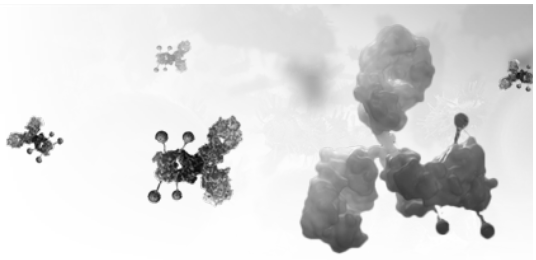

CXCR4 blocking peptide (CDBP5352)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a CXC chemokine receptor specific for stromal cell-derived factor-1. The protein has 7 transmembrane regions and is located on the cell surface. It acts with the CD4 protein to support HIV entry into cells and is also highly expressed in breast cancer cells. Mutations in this gene have been associated with WHIM (warts, hypogammaglobulinemia, infections, and myelokathexis) syndrome. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

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; FB22; HM89; LAP3; LCR1; NPYR; WHIM; CD184; LAP-3; LESTR; NPY3R; NPYRL; HSY3RR; NPYY3R; D2S201E; C-X-C chemokine receptor type 4; fusin; CD184 antigen; SDF-1 receptor; LPS-associated protein 3; neuropeptide Y receptor Y3; seven transmembrane helix receptor; stromal cell-derived factor 1 receptor;

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	lipopolysaccharide-associated protein 3; seven-transmembrane-segment receptor, spleen; leukocyte-derived seven transmembrane domain receptor
Entrez Gene ID	7852
mRNA Refseq	NM_001008540
Protein Refseq	NP_001008540
UniProt ID	P61073
Pathway	Axon guidance; Binding and entry of HIV virion; CXCR4-mediated signaling events; Cardiac Progenitor Differentiation; Chemokine receptors bind chemokines; Chemokine signaling pathway; Class A/1 (Rhodopsin-like receptors); Cytokine-cytokine receptor interaction
Function	C-X-C chemokine receptor activity; G-protein coupled receptor activity; actin binding; coreceptor activity; cytokine binding; myosin light chain binding; protein binding; ubiquitin binding; ubiquitin protein ligase binding; virus receptor activity

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