



## CXCR4 blocking peptide (DAG-P1487)

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

### PRODUCT INFORMATION

<b>Antigen Description</b>	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]
<b>Specificity</b>	Expressed in numerous tissues, such as peripheral blood leukocytes, spleen, thymus, spinal cord, heart, placenta, lung, liver, skeletal muscle, kidney, pancreas, cerebellum, cerebral cortex and medulla (in microglia as well as in astrocytes), brain microv
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	BL
<b>Sequence Similarities</b>	Belongs to the G-protein coupled receptor 1 family.
<b>Format</b>	Liquid
<b>Buffer</b>	PBS with 0.1% BSA 0.02% sodium azide pH7.2
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. PBS with 0.1% BSA 0.02% sodium azide pH7.2

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">CXCR4 chemokine (C-X-C motif) receptor 4 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	CXCR4

<b>Synonyms</b>	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; lipopolysaccharide-associated protein 3; seven-transmembrane-segment receptor, spleen; leukocyte-derived seven transmembrane domain receptor;
<b>Entrez Gene ID</b>	<a href="#">7852</a>
<b>mRNA Refseq</b>	<a href="#">NM_001008540.1</a>
<b>Protein Refseq</b>	<a href="#">NP_001008540.1</a>
<b>UniProt ID</b>	P61073
<b>Chromosome Location</b>	2q21
<b>Pathway</b>	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Binding and entry of HIV virion, organism-specific biosystem; CXCR4-mediated signaling events, organism-specific biosystem; Cardiac Progenitor Differentiation, organism-specific biosystem; Chemokine receptors bind chemokines, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific b
<b>Function</b>	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;