CXCR4 Antibody – Polyclonal

PRODUCT OVERVIEW

Product Name	Fusin (CXCR4), Polyclonal Antibody
Full Product Name	Fusin Polyclonal Antibody
Product Gene Name	anti-CXCR4 antibody
Clonality	Polyclonal
Molecular Weight	40,221 Da
OMIM	162643
3D Structure	ModBase 3D Structure for P61073
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-CXCR4 antibody	MBS8522781 is an antibody targeting CXCR4. Also known as Fusin Polyclonal Antibody.
Other Notes	Small volumes of anti-CXCR4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CXCR4. It may not necessarily be applicable to this product.

NCBI GI #	56790927
NCBI GeneID	7852
NCBI Accession #	NP_001008540.1
UniProt Primary Accession #	P61073
UniProt Secondary Accession #	O60835; P30991; P56438; Q53S69; Q9BXA0; Q9UKN2; B2R5N0
UniProt Related Accession #	P61073
GenBank Nucleotide #	NM_001008540.2
NCBI Official Full Name	C-X-C chemokine receptor type 4 isoform a
NCBI Official Synonym Full Names	C-X-C motif chemokine receptor 4
NCBI Official Symbol	CXCR4
NCBI Official Synonym Symbols	FB22; HM89; LAP3; LCR1; NPYR; WHIM; CD184; LAP-3; LESTR; NPY3R; NPYRL; WHIMS; HSY3RR; NPYY3R; D2S201E
UniProt Protein Name	C-X-C chemokine receptor type 4
UniProt Synonym Protein Names	FB22; Fusin; HM89; LCR1; Leukocyte-derived seven transmembrane domain receptor; LESTR; Lipopolysaccharide-associated protein 3; LAP-3; LPS-associated protein 3; NPYRL; Stromal cell-derived factor 1 receptor; SDF-1 receptor; CD_antigen: CD184
Protein Family	C-X-C chemokine receptor
UniProt Gene Name	CXCR4

UniProt Synonym Gene Names	CXC-R4; CXCR-4; LESTR; LAP-3; LPS-associated protein 3; SDF-1 receptor
NCBI Protein Information	C-X-C chemokine receptor type 4
NCBI Summary for CXCR4	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]
UniProt Comments for CXCR4	Receptor for the C-X-C chemokine CXCL12/SDF-1 that transduces a signal by increasing intracellular calcium ion levels and enhancing MAPK1/MAPK3 activation. Acts as a receptor for extracellular ubiquitin; leading to enhanced intracellular calcium ions and reduced cellular cAMP levels. Involved in hematopoiesis and in cardiac ventricular septum formation. Also plays an essential role in vascularization of the gastrointestinal tract, probably by regulating vascular branching and/or remodeling processes in endothelial cells. Involved in cerebellar development. In the CNS, could mediate hippocampal-neuron survival.
Research Articles on CXCR4	**1.** These findings suggest a possibility that cells at the sites of MELF pattern had acquired increased invasiveness through the function of the CXCL14-CXCR4 and CXCL12-CXCR4 axes.
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