CXCR3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CXCR3, Polyclonal Antibody
Full Product Name	CXCR3 Antibody FITC-Conjugated
Product Gene Name	anti-CXCR3 antibody
Product Synonym Names	C-X-C chemokine receptor type 3; CD 183; CD182; Chemokine CXC Motif Receptor 3; CKR L2; CKR-L2; CMKAR3; CXC-R3; G protein-coupled receptor 9; GPR9; Interferon-inducible protein 10 receptor; IP-10 receptor; Mig R; Mig receptor antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mouse, Rat
Form/Format	FITC-Conjugated
Concentration	0.50-0.60 ug/ul in antibody stabilization buffer (lot specific)
Preparation and Storage	-20• degree C for long term storage
Antibody/Peptide Pairs	CXCR3 peptide (MBS543391) is used for blocking the activity of CXCR3 antibody (MBS541350)
Molecular Weight	40,935 Da
Immunogen	Synthetic peptide taken within amino acid region 20-70 on rat CXCR3 protein
Molecular Function	G-Protein coupled receptor, Transducer, chemokine receptor activity
Structure	Homomer, forms heteromers with ACKR4 by similarity
Subcellular Location	Cell membrane; Multipass membrane protein
Applications Tested/Suitable for anti-CXCR3 antibody	Confocal Microscopy (CM), ELISA (EIA), Immunocytochemistry (ICC), Immunofluorescence (IF), Immunohistochemistry (IHC), IMM, Western Blot (WB)
Application Notes for anti-CXCR3 antibody	Confocal Microscopy||1:200 Dot Blot: 1:10,000 ELISA: 1:10,000 Immunocytochemistry: 1:200 Immunofluorescence: 1:200 Immunohistochemistry: 1:200 Immunoprecipitation: 1:250 Western Blot: 1:500
Related Product Information for anti-CXCR3 antibody	FITC-Conjugated IP10 Receptor Antibody Receptor for C-X-C chemokines: CXCL9, CXCCl10 and CXCL11, mediates the proliferation, survival and angiogenic activity of mesangial cells via a heterotrimeric G-protein signalling pathway
Other Notes	Small volumes of anti-CXCR3 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.
Searchable Terms for CXCR3 purchase	MBS541350 is an antibody targeting CXCR3. Also known as CXCR3 Antibody FITC-Conjugated. Reactive in Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CXCR3. It may not necessarily be applicable to this product.

NCBI GI #	16758152
NCBI GeneID	84475
NCBI Accession #	NP_445867.1
UniProt Related Accession #	Q9JII9
GenBank Nucleotide #	NM_053415.1
NCBI Official Full Name	C-X-C chemokine receptor type 3
NCBI Official Synonym Full Names	C-X-C motif chemokine receptor 3
NCBI Official Symbol	Cxcr3
NCBI Official Synonym Symbols	Gpr9
UniProt Protein Name	C-X-C chemokine receptor type 3
UniProt Synonym Protein Names	Interferon-inducible protein 10 receptor; IP-10 receptor; CD_antigen: CD183
Protein Family	C-X-C chemokine receptor
UniProt Gene Name	Cxcr3
UniProt Synonym Gene Names	CXC-R3; CXCR-3; IP-10 receptor
UniProt Entry Name	CXCR3_RAT
NCBI Protein Information	C-X-C chemokine receptor type 3
NCBI Summary for CXCR3	binds interferon-inducible protein-10 and induces intracellular calcium mobilization; increased expression occurs in response to focal stroke [RGD, Feb 2006]
UniProt Comments for CXCR3	CXCR3: Receptor for CXCL9, CXCL10 and CXCL11 and mediates the proliferation of human mesangial cells (HMC). Belongs to the G-protein coupled receptor 1 family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, multi-pass; Membrane protein, integral; GPCR, family 1; Receptor, GPCR Cellular Component: cell surface; external side of plasma membrane; integral to membrane; intracellular; plasma membrane Molecular Function: C-X-C chemokine binding; C-X-C chemokine receptor activity; chemokine binding; receptor activity Biological Process: angiogenesis; calcium-mediated signaling; cell surface receptor linked signal transduction; chemotaxis; elevation of cytosolic calcium ion concentration; G-protein coupled receptor protein signaling pathway; inflammatory response; negative regulation of angiogenesis; negative regulation of endothelial cell proliferation; positive regulation of angiogenesis; positive regulation of cAMP metabolic process; positive regulation of cell proliferation; positive regulation of chemotaxis; positive regulation of release of sequestered calcium ion into cytosol; positive regulation of transcription from RNA polymerase II promoter; regulation of leukocyte migration
Research Articles on CXCR3	**1.** Our results demonstrated that the activation of spinal chemokine receptor CXCR3 mediated bone cancer pain through Akt and ERK 1/2 kinase
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