CD183 Antibody – Hamster Monoclonal

PRODUCT OVERVIEW

Product Name	CD183, Monoclonal Antibody
Full Product Name	Purified Anti-Mouse CD183 Monoclonal Antibody
Product Gene Name	anti-CD183 antibody
Product Synonym Names	Mouse CD183; C-X-C chemokine receptor type 3; Cxcr3; CXC-R3; CXCR-3; Interferon-inducible protein 10 receptor; IP-10 receptor; CD183
Clonality	Monoclonal
Isotype	IgG
Clone Number	CXCR3-173
Host	Hamster
Species Reactivity	Mouse
Form/Format	Liquid; PBS with 0.05% Proclin300, 1% BSA
Preparation and Storage	Store at 2-8 degree C. Protected from prolonged exposure to light.
Matching Pairs	Antibody: CD183 (MBS2553977) Isotype Control: IgG Clone #PIP (MBS2557906)
Molecular Weight	41,018 Da
3D Structure	ModBase 3D Structure for O88410
Conjugation	Unconjugated
Cellular Localization	Membrane
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD183 antibody	Flow Cytometry (FC/FACS)
Application Notes for anti-CD183 antibody	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is <=1.0 ug per 10e6 cells in 100 ul volume or 100 ul of whole blood.
Related Product Information for anti-CD183 antibody	CD183, also known as CXCR3, is a member of the C-X-C chemokine family, characterized by a pair of cysteine residues separated by a single amino acid. CXCR3 is a 38 kD seven pass transmembrane receptor coupled to G-protein. It mediates Ca2+ mobilization and chemotaxis in response to C-X-C chemokines, such as IP10 (CXCL10), MIG (CXCL9), I-TAC (CXCL11) and PF4 (CXCL4). CXCR3 is expressed primarily on activiated T lymphocytes, NK cells, and some epithelial cells and endothelial cells. It is not expressed on B cells, monocytes or granulocytes.
Product References and Citations for anti-CD183 antibody	1. Krug A, Uppaluri R, Facchetti F, et al. J Immunol. 2002; 169(11):6079-6083. 2. Soto H, Wang W, Strieter RM, et al. Proc Natl Acad Sci U S A. 1998; 95(14):8205-8210. 3. Tamaru M, Tominaga Y, Yatsunami K, Narumi S. Biochem Biophys Res Commun. 1998; 251(1):41-48.
Other Notes	Small volumes of anti-CD183 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 CD183 purchase	MBS2553977 is an antibody targeting CD183. Also known as Purified Anti-Mouse CD183 Monoclonal Antibody. Reactive in Mouse. Host: Hamster.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD183. It may not necessarily be applicable to this product.

NCBI GI #	6753458
NCBI GeneID	12766
NCBI Accession #	NP_034040.1
UniProt Primary Accession #	O88410
UniProt Secondary Accession #	Q4V9Y6; Q9QWN6
UniProt Related Accession #	O88410
GenBank Nucleotide #	NM_009910.3
NCBI Official Full Name	C-X-C chemokine receptor type 3
NCBI Official Synonym Full Names	chemokine (C-X-C motif) receptor 3
NCBI Official Symbol	Cxcr3
NCBI Official Synonym Symbols	Cd183; Cmkar3
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	Cmkar3; CXC-R3; CXCR-3; IP-10 receptor
NCBI Protein Information	C-X-C chemokine receptor type 3
NCBI Summary for CD183	This gene encodes a transmembrane protein that functions as a receptor for C-X-R chemokines. Signalling through this protein regulates a variety of biological processes, including inflammation, immunity, and would healing. This protein also plays a role in tumor growth and metastasis. [provided by RefSeq, May 2015]
UniProt Comments for CD183	Receptor for the C-X-C chemokine CXCL9, CXCL10 and CXCL11 and mediates the proliferation, survival and angiogenic activity of mesangial cells through a heterotrimeric G-protein signaling pathway. Probably promotes cell chemotaxis response (). Binds to CCL21.
Research Articles on CD183	**1.** the data suggest that CXCR3 and the integrin alpha4 mediate T cell recruitment to uninfected salivary glands but that redundant mechanisms mediate T cell recruitment after Murine Cytomegalovirus infection.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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