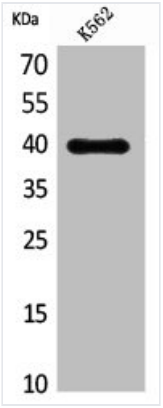
CXCR3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CXCR3, Polyclonal Antibody
Full Product Name	CXCR3 Antibody
Product Gene Name	anti-CXCR3 antibody
Product Synonym Names	CXCR3; GPR9; C-X-C chemokine receptor type 3; CXC-R3; CXCR-3; CKR-L2; G protein-coupled receptor 9; Interferon-inducible protein 10 receptor; IP-10 receptor; CD183
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid; In Phosphate Buffered Saline, 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	40,660 Da
Chromosome Location	Chromosome: X; NC_000023.10 (70835766..70838367, complement). Location: Xq13
OMIM	300574
3D Structure	ModBase 3D Structure for P49682
Immunogen	Synthesized peptide derived from the Internal region of human CXCR-3.
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-CXCR3 antibody	Immunology
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CXCR3 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-CXCR3 antibody	WB: 1:500-1:2000 ELISA: 1:20000
Related Product Information for anti-CXCR3 antibody	MBS7117509 is an antibody targeting CXCR3. Also known as CXCR3 Antibody. Reactive in Human. Host: Rabbit.
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.



Western Blot (WB) of anti-CXCR3 antibody
Western Blot analysis of K562 cells using CXCR-3 Polyclonal Antibody

ADDITIONAL DETAILS

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

NCBI GI #	218563730
NCBI GeneID	2833
NCBI Accession #	NP_001136269.1
UniProt Primary Accession #	P49682
UniProt Secondary Accession #	O15185; Q7Z710; Q9P2T4; Q9P2T5; B2R982
UniProt Related Accession #	P49682
GenBank Nucleotide #	NM_001142797.1
NCBI Official Full Name	C-X-C chemokine receptor type 3 isoform 2
NCBI Official Synonym Full Names	chemokine (C-X-C motif) receptor 3
NCBI Official Symbol	CXCR3
NCBI Official Synonym Symbols	GPR9; MigR; CD182; CD183; Mig-R; CKR-L2; CMKAR3; IP10-R
UniProt Protein Name	C-X-C chemokine receptor type 3
UniProt Synonym Protein Names	CKR-L2; G protein-coupled receptor 9; Interferon-inducible protein 10 receptor
Protein Family	C-X-C chemokine receptor
UniProt Gene Name	CXCR3
UniProt Synonym Gene Names	GPR9; CXC-R3; CXCR-3
UniProt Entry Name	CXCR3_HUMAN
NCBI Protein Information	C-X-C chemokine receptor type 3; CXC-R3; CXCR-3; Mig receptor; IP10 receptor; IP-10 receptor; G protein-coupled receptor 9; chemokine (C-X-C) receptor 3; interferon-inducible protein 10 receptor
NCBI Summary for CXCR3	This gene encodes a G protein-coupled receptor with selectivity for three chemokines, termed CXCL9/Mig (monokine induced by interferon-g), CXCL10/IP10 (interferon-g-inducible 10 kDa protein) and CXCL11/I-TAC (interferon-inducible T cell a-chemoattractant). Binding of chemokines to this protein induces cellular responses that are involved in leukocyte traffic, most notably integrin activation, cytoskeletal changes and chemotactic migration. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. One of the isoforms (CXCR3-B) shows high affinity binding to chemokine, CXCL4/PF4 (PMID:12782716). [provided by RefSeq, Jun 2011]

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; Receptor, GPCR; GPCR, family 1 Chromosomal Location of Human Ortholog: Xq13 Cellular Component: integral to plasma membrane; cytoplasm; plasma membrane; external side of plasma membrane Molecular Function: C-X-C chemokine binding; chemokine binding; chemokine receptor activity; receptor activity; C-X-C chemokine receptor activity Biological Process: apoptosis; positive regulation of chemotaxis; calcium-mediated signaling; positive regulation of cAMP metabolic process; chemotaxis; G-protein coupled receptor protein signaling pathway; positive regulation of angiogenesis; elevation of cytosolic calcium ion concentration; negative regulation of angiogenesis; cell surface receptor linked signal transduction; regulation of leukocyte migration; negative regulation of endothelial cell proliferation; positive regulation of cell proliferation; positive regulation of transcription from RNA polymerase II promoter; positive regulation of release of sequestered calcium ion into cytosol; angiogenesis; cell motility; inflammatory response; cell adhesion
Research Articles on CXCR3	**1.** Data indicate that women with systemic lupus erythematosus (SLE) responded similar to pregnancy as did healthy women with lower percentages of CCR2+, CCR5+ and CXCR3+ monocytes.
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/cxcr3/7117509