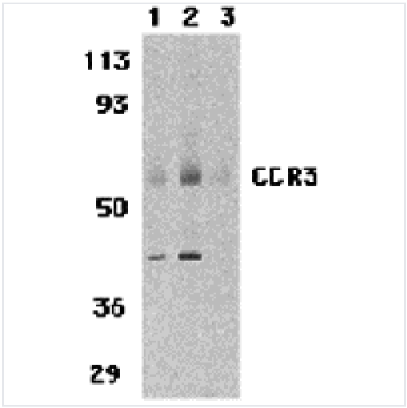
CCR3 Blocking Peptide

PRODUCT OVERVIEW

Product Name	CCR3, Blocking Peptide
Full Product Name	CCR3 Peptide
Product Gene Name	CCR3 blocking peptide
Product Synonym Names	CKR3; CD193; CMKBR3; CC-CKR-3; C-C chemokine receptor type 3; Eosinophil eotaxin receptor; C-C CKR-3; chemokine (C-C motif) receptor 3
Form/Format	Liquid
Concentration	200 ug/mL (lot specific)
Preparation and Storage	Store CCR3 peptide at -20 degree C, stable for one year.
Antibody/Peptide Pairs	CCR3 peptide (MBS152908) is used for blocking the activity of CCR3 antibody (MBS150409)
Molecular Weight	43,453 Da
OMIM	601268
Species	Human
Buffer	PBS pH 7.2 (10 mM NaH2PO4, 10 mM Na2HPO4, 130 mM NaCl) containing 0.1% bovine serum albumin and 0.02% sodium azide
Location	14 amino acids near the amino terminus of human CCR3.
Applications Tested/Suitable for CCR3 blocking peptide	Blocking (BL)
Application Notes for CCR3 blocking peptide	CCR3 peptide is used for blocking the activity of CCR3 antibody.
Related Product Information for CCR3 blocking peptide	MBS152908 is a blocking peptide targeting CCR3. Also known as CCR3 Peptide.
Other Notes	Small volumes of CCR3 blocking peptide 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 CCR3 blocking peptide
Western blot analysis of CCR3 in human spleen tissue lysates with CCR3 antibody at 1 (lane 1) and 2 ?g/mL (lane 2), and 2 ?g/mL in the presence of blocking peptide. (1109P) (lane 3).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CCR3. It may not necessarily be applicable to this product.

NCBI GI #	30581170
NCBI GeneID	1232
NCBI Accession #	NP_847899
UniProt Primary Accession #	P51677
UniProt Secondary Accession #	Q15748; Q2YDB9; Q86WD2; Q8TDP6; Q9ULY8; B3KVQ1; F5GWL6
UniProt Related Accession #	P51677
GenBank Nucleotide #	NM_178329.2
NCBI Official Full Name	C-C chemokine receptor type 3 isoform 1
NCBI Official Synonym Full Names	chemokine (C-C motif) receptor 3
NCBI Official Symbol	CCR3
NCBI Official Synonym Symbols	CKR3; CD193; CMKBR3; CC-CKR-3
UniProt Protein Name	C-C chemokine receptor type 3
UniProt Synonym Protein Names	Eosinophil eotaxin receptor; CD_antigen: CD193
Protein Family	C-C chemokine receptor
UniProt Gene Name	CCR3
UniProt Synonym Gene Names	CMKBR3; C-C CKR-3; CC-CKR-3; CCR-3; CCR3; CKR3
UniProt Entry Name	CCR3_HUMAN
NCBI Protein Information	C-C chemokine receptor type 3; CCR-3; C-C CKR-3; b-chemokine receptor; CC chemokine receptor 3; eosinophil eotaxin receptor; eosinophil CC chemokine receptor 3
NCBI Summary for CCR3	The protein encoded by this gene is a receptor for C-C type chemokines. It belongs to family 1 of the G protein-coupled receptors. This receptor binds and responds to a variety of chemokines, including eotaxin (CCL11), eotaxin-3 (CCL26), MCP-3 (CCL7), MCP-4 (CCL13), and RANTES (CCL5). It is highly expressed in eosinophils and basophils, and is also detected in TH1 and TH2 cells, as well as in airway epithelial cells. This receptor may contribute to the accumulation and activation of eosinophils and other inflammatory cells in the allergic airway. It is also known to be an entry co-receptor for HIV-1. This gene and seven other chemokine receptor genes form a chemokine receptor gene cluster on the chromosomal region 3p21. Alternatively spliced transcript variants have been described. [provided by RefSeq, Sep 2009]
UniProt Comments for CCR3	CCR3: Receptor for a C-C type chemokine. Binds to eotaxin, eotaxin-3, MCP-3, MCP-4, RANTES and MIP-1 delta. Subsequently transduces a signal by increasing the intracellular calcium ions level. Alternative coreceptor with CD4 for HIV-1 infection. Belongs to the G-protein coupled receptor 1 family. Protein type: Receptor, cytokine; Membrane protein, integral; Membrane protein, multi-pass; Motility/polarity/chemotaxis; GPCR, family 1; Receptor, GPCR Chromosomal Location of Human Ortholog: 3p21.3 Cellular Component: integral to plasma membrane; plasma membrane Molecular Function: protein binding; C-C chemokine receptor activity; chemokine receptor activity Biological Process: G-protein signaling, coupled to cAMP nucleotide second messenger; elevation of cytosolic calcium ion concentration; positive regulation of angiogenesis; viral reproduction; cellular defense response; positive regulation of endothelial cell proliferation; cell adhesion; chemotaxis; inflammatory response
Research Articles on CCR3	**1.** In vitro chemotaxis assay indicates dominant role of RANTES and IP-10 in the selective recruitment of CXCR3(+)CCR5(+)cells at the tubercular pathologic sites.

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