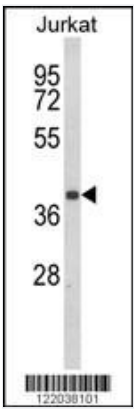
CCR3 Antibody – Rabbit Polyclonal

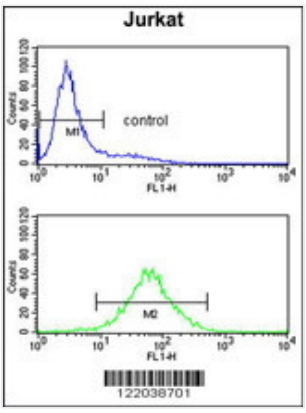
PRODUCT OVERVIEW

Product Name	CCR3, Polyclonal Antibody
Full Product Name	CCR3, ID (CD193, CC Chemokine Receptor Type 3, CC CKR 3, CC CKR3, B Chemokine Receptor, CMKBR3, Eosinophil CC Chemokine Receptor 3, Eosinophil Eotaxin Receptor, MGC102841)
Product Gene Name	anti-CCR3 antibody
Product Synonym Names	Anti -CCR3, ID (CD193, CC Chemokine Receptor Type 3, CC CKR 3, CC CKR3, B Chemokine Receptor, CMKBR3, Eosinophil CC Chemokine Receptor 3, Eosinophil Eotaxin Receptor, MGC102841)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, 0.09% sodium azide.
Purity/Purification	Affinity Purified Purified by immunoaffinity chromatography.
Specificity	Recognizes human CCR3.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	41,044 Da
Chromosome Location	Chromosome: 3; NC_000003.11 (46283872..46308197). Location: 3p21.3
OMIM	601268
3D Structure	ModBase 3D Structure for P51677
Immunogen	Synthetic peptide selected from the Center region of human CCR3 (KLH).
Product Categories/Family for anti-CCR3 antibody	Antibodies; Abs to Growth Factors; Cytokines
Applications Tested/Suitable for anti-CCR3 antibody	ELISA (EL/EIA), Western Blot (WB)
Application Notes for anti-CCR3 antibody	Suitable for use in ELISA and Western Blot. Dilution: ELISA: 1:1,000 Western Blot: 1:100-1:500
Related Product Information for anti-CCR3 antibody	CCR3 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.
Other Notes	Small volumes of anti-CCR3 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 CCR3 purchase	MBS627260 is an antibody targeting CCR3. Also known as CCR3, ID (CD193, CC Chemokine Receptor Type 3, CC CKR 3, CC CKR3, B Chemokine Receptor, CMKBR3, Eosinophil CC Chemokine Receptor 3, Eosinophil Eotaxin Receptor, MGC102841). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-CCR3 antibody
Western blot analysis of CCR3 Antibody (Center) in Jurkat cell line lysates (35ug/lane). CCR3 (arrow) was detected using the purified Pab.



Flow Cytometry (FC/FACS) of anti-CCR3 antibody
CCR3 Antibody (Center) flow cytometry analysis of Jurkat cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

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

NCBI GI #	257743046
NCBI GeneID	1232
NCBI Accession #	NP_847898.1
UniProt Primary Accession #	P51677
UniProt Secondary Accession #	Q15748; Q2YDB9; Q86WD2; Q9ULY8; B3KVQ1
UniProt Related Accession #	P51677; Q8TDP4; Q8TDP5; Q8TDP6; Q8TDP7; Q8TDP8; Q96T96; Q96T97
GenBank Nucleotide #	NM_178328.1
NCBI Official Full Name	C-C chemokine receptor type 3 isoform 2
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; MGC102841
UniProt Protein Name	C-C chemokine receptor type 3
UniProt Synonym Protein Names	Eosinophil eotaxin receptor
Protein Family	C-C chemokine receptor
UniProt Gene Name	CCR3
UniProt Synonym Gene Names	CMKBR3
UniProt Entry Name	CCR3_HUMAN
NCBI Protein Information	C-C chemokine receptor type 3; CCR-3; C-C CKR-3; OTTHUMP00000209745; 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]
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: GPCR, family 1; Membrane protein, multi-pass; Membrane protein, integral; Receptor, cytokine; Motility/polarity/chemotaxis; 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; positive regulation of angiogenesis; elevation of cytosolic calcium ion concentration; viral reproduction; cellular defense response; positive regulation of endothelial cell proliferation; cell adhesion; inflammatory response; chemotaxis
Research Articles on CCR3	**1.** Leucocyte of children with infectious mononucleosis expressed higher level of CCR3 and lower level of CCR5.
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