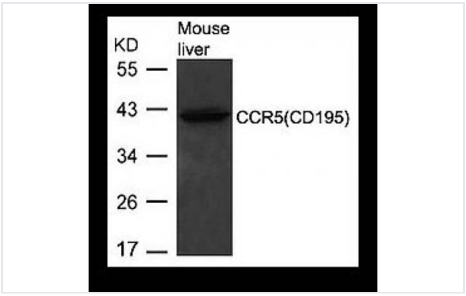
CCR5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CCR5, Polyclonal Antibody
Full Product Name	CCR5 antibody
Product Gene Name	anti-CCR5 antibody
Product Synonym Names	Rabbit polyclonal CCR5 antibody; Polyclonal CCR5 antibody; Anti-CCR5 antibody; CCD195 antibody; CCR-5 antibody; CCR 5 antibody; CC chemokine receptor 5 antibody; CCR 5 antibody; CCR 5; CCR5; CCR-5; CCR-5 antibody
Clonality	Polyclonal
Host	Rabbit
Form/Format	Liquid form in PBS buffer (no MG2+ or Ca2+), pH 7.4, 150 mm NaCl,0.02% sodium azide and 50% glycerol.
Purity/Purification	Purified by immunoaffinity chromatography.
Concentration	1 mg/ml (lot specific)
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at-20 degree C for long term storage. Avoid repeated freeze/thaw cycles.
Molecular Weight	40,524 Da
OMIM	601373
Immunogen	CCR5 antibody was raised in Rabbit using the peptide sequence around aa 11~15(D-I-N-Y-Y) derived from Human CCR5(CD195) as the immunogen.
Cross-Reactivity	Human
Product Categories/Family for anti-CCR5 antibody	Signal Transduction
Applications Tested/Suitable for anti-CCR5 antibody	Western Blot (WB)
Application Notes for anti-CCR5 antibody	WB: 1:500-1:1000
Related Product Information for anti-CCR5 antibody	CCR5, also known as CD195, is a seven transmembrane chemokine receptor capable of binding RANTES, MIP1alpha and MIP1beta. Knockout mice show a decreased recruitment of macrophages and increased susceptibility to infection. Protein and mRNA has been found in macrophages from thioglycolate treated and activated T cells.
Other Notes	Small volumes of anti-CCR5 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 CCR5 purchase	MBS5309897 is an antibody targeting CCR5. Also known as CCR5 antibody. Host: Rabbit.



Testing Data of anti-CCR5 antibody
Western Blot analysis of extracts from Mouse liver tissue using CCR5 (CD195) antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CCR5. It may not necessarily be applicable to this product.

NCBI GI #	2104520
NCBI GeneID	1234
NCBI Accession #	AAB57793.1
UniProt Secondary Accession #	O14692; O14693; O14695; O14696; O14697; O14698; O14699; O14700; O14701; O14702; O14703
UniProt Related Accession #	P51681
NCBI Official Full Name	ccr5
NCBI Official Synonym Full Names	C-C motif chemokine receptor 5 (gene/pseudogene)
NCBI Official Symbol	CCR5
NCBI Official Synonym Symbols	CKR5; CCR-5; CD195; CKR-5; CCCKR5; CMKBR5; IDDM22; CC-CKR-5
UniProt Protein Name	C-C chemokine receptor type 5
UniProt Synonym Protein Names	CHEMR13; HIV-1 fusion coreceptor; CD_antigen: CD195
Protein Family	C-C chemokine receptor
UniProt Gene Name	CCR5
UniProt Synonym Gene Names	CMKBR5; C-C CKR-5; CC-CKR-5; CCR-5; CCR5
NCBI Protein Information	C-C chemokine receptor type 5
NCBI Summary for CCR5	This gene encodes a member of the beta chemokine receptor family, which is predicted to be a seven transmembrane protein similar to G protein-coupled receptors. This protein is expressed by T cells and macrophages, and is known to be an important co-receptor for macrophage-tropic virus, including HIV, to enter host cells. Defective alleles of this gene have been associated with the HIV infection resistance. The ligands of this receptor include monocyte chemoattractant protein 2 (MCP-2), macrophage inflammatory protein 1 alpha (MIP-1 alpha), macrophage inflammatory protein 1 beta (MIP-1 beta) and regulated on activation normal T expressed and secreted protein (RANTES). Expression of this gene was also detected in a promyeloblastic cell line, suggesting that this protein may play a role in granulocyte lineage proliferation and differentiation. This gene is located at the chemokine receptor gene cluster region. An allelic polymorphism in this gene results in both functional and non-functional alleles; the reference genome represents the functional allele. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2015]
UniProt Comments for CCR5	Receptor for a number of inflammatory CC-chemokines including CCL3/MIP-1-alpha, CCL4/MIP-1-beta and RANTES and subsequently transduces a signal by increasing the intracellular calcium ion level. May play a role in the control of granulocytic lineage proliferation or differentiation.
Research Articles on CCR5	**1.** the protective CCR5-Delta32 allele appears to be rarely present in Saudi Arabia.

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-antibody/ccr5/5309897