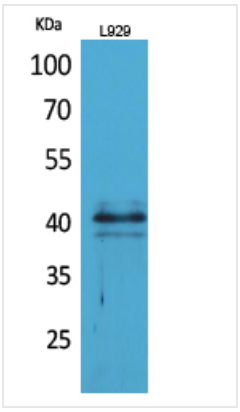
CKR-4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CKR-4, Polyclonal Antibody
Full Product Name	CKR-4 Polyclonal Antibody
Product Gene Name	anti-CKR-4 antibody
Product Synonym Names	CCR4; CMKBR4; C-C chemokine receptor type 4; C-C CKR-4; CC-CKR-4; CCR-4; CCR4; K5-5; CD194
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1 mg/ml (lot specific)
Specificity	CKR-4 Polyclonal Antibody detects endogenous levels of CKR-4 protein.
Preparation and Storage	Store at -20 degree C/1 year
Molecular Weight	41,403 Da
OMIM	604836
3D Structure	ModBase 3D Structure for P51679
Immunogen Type	peptide
Immunogen Description	Synthesized peptide derived from the N-terminal region of human CKR-4.
Target Name	CKR-4
Product Categories/Family for anti-CKR-4 antibody	Total protein Ab
Applications Tested/Suitable for anti-CKR-4 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-CKR-4 antibody	Western Blot: 1:500 - 1:2000 ELISA: 1:20000 Not yet tested in other applications.
Related Product Information for anti-CKR-4 antibody	MBS9401889 is an antibody targeting CKR-4. Also known as CKR-4 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-CKR-4 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-CKR-4 antibody
Western Blot analysis of L929 cells using CKR-4 Polyclonal Antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CKR-4. It may not necessarily be applicable to this product.

NCBI GI #	5031627
NCBI GeneID	1233
NCBI Accession #	NP_005499.1
UniProt Primary Accession #	P51679
UniProt Secondary Accession #	Q9ULY6; Q9ULY7
UniProt Related Accession #	P51679
GenBank Nucleotide #	NM_005508.4
NCBI Official Full Name	C-C chemokine receptor type 4
NCBI Official Synonym Full Names	chemokine (C-C motif) receptor 4
NCBI Official Symbol	CCR4
NCBI Official Synonym Symbols	CKR4; K5-5; CD194; CMKBR4; ChemR13; CC-CKR-4; HGCN:14099
UniProt Protein Name	C-C chemokine receptor type 4
UniProt Synonym Protein Names	K5-5; CD_antigen: CD194
Protein Family	C-C chemokine receptor
UniProt Gene Name	CCR4
UniProt Synonym Gene Names	CMKBR4; C-C CKR-4; CC-CKR-4; CCR-4; CCR4
UniProt Entry Name	CCR4_HUMAN
NCBI Protein Information	C-C chemokine receptor type 4
NCBI Summary for CKR-4	The protein encoded by this gene belongs to the G-protein-coupled receptor family . It is a receptor for the CC chemokine - MIP-1, RANTES, TARC and MCP-1. Chemokines are a group of small polypeptide, structurally related molecules that regulate cell trafficking of various types of leukocytes. The chemokines also play fundamental roles in the development, homeostasis, and function of the immune system, and they have effects on cells of the central nervous system as well as on endothelial cells involved in angiogenesis or angiostasis. [provided by RefSeq, Jul 2008]

UniProt Comments for CKR-4	CCR4: High affinity receptor for the C-C type chemokines CCL17/TARC and CCL22/MDC. The activity of this receptor is mediated by G(i) proteins which activate a phosphatidylinositol- calcium second messenger system. Can function as a chemoattractant homing receptor on circulating memory lymphocytes and as a coreceptor for some primary HIV-2 isolates. In the CNS, could mediate hippocampal-neuron survival. Belongs to the G-protein coupled receptor 1 family. Protein type: Membrane protein, multi-pass; Motility/polarity/chemotaxis; Receptor, GPCR; GPCR, family 1; Membrane protein, integral Chromosomal Location of Human Ortholog: 3p24 Cellular Component: cell soma; integral to plasma membrane; plasma membrane; external side of plasma membrane Molecular Function: C-C chemokine receptor activity; chemokine receptor activity Biological Process: response to antibiotic; G-protein coupled receptor protein signaling pathway; elevation of cytosolic calcium ion concentration; response to radiation; positive regulation of positive chemotaxis; response to bacterium; neuron migration; immune response; inflammatory response; chemotaxis; tolerance induction
Research Articles on CKR-4	**1.** CCR4 C1014T and CCL22 C16A genetic variations were neither associated with the risk, nor with the progression of colorectal cancer in Iranian population
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-mouse-rat-antibody/ckr-4/9401889