CCL18 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CCL18, Monoclonal Antibody
Full Product Name	CCL18 (C-C Motif Chemokine 18, Alternative Macrophage Activation-associated CC Chemokine 1, AMAC-1, CC Chemokine PARC, Dendritic Cell Chemokine 1, DC-CK1, Macrophage Inflammatory Protein 4, MIP-4, Pulmonary and Activation-regulated Chemokine, Small-induci
Product Gene Name	anti-CCL18 antibody
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	2C6
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human CCL18.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	10.4 kDa (93aa), confirmed by MALDI-TOF
OMIM	603757
3D Structure	ModBase 3D Structure for P55774
Immunogen	Partial recombinant corresponding to aa21-90 from human CCL18 (NP_002979) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	AQVGTNKELCCLVYTSWQIPQKFIVDYSETSPQCPKPGVILLTKRGRQICADPNKKWVQKYISDLKLNA*
Conjugate	MaxLight405
Product Categories/Family for anti-CCL18 antibody	Antibodies; Growth Factors; Cytokines
Applications Tested/Suitable for anti-CCL18 antibody	FLISA, Immunoprecipitation (IP), Western Blot (WB)
Application Notes for anti-CCL18 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-CCL18 antibody	Chemotactic factor that attracts lymphocytes but not monocytes or granulocytes. May be involved in B-cell migration into B-cell follicles in lymph nodes. Attracts naive T-lymphocytes toward dendritic cells and activated macrophages in lymph nodes, has chemotactic activity for naive T-cells, CD4+ and CD8+ T-cells and thus may play a role in both humoral and cell-mediated immunity responses.
Other Notes	Small volumes of anti-CCL18 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 CCL18 purchase	MBS6189263 is an antibody targeting CCL18. Also known as CCL18 (C-C Motif Chemokine 18, Alternative Macrophage Activation-associated CC Chemokine 1, AMAC-1, CC Chemokine PARC, Dendritic Cell Chemokine 1, DC-CK1, Macrophage Inflammatory Protein 4, MIP-4, Pulmonary and Activation-regulated Chemokine, Small-induci. Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CCL18. It may not necessarily be applicable to this product.

NCBI GI #	4506831
NCBI GeneID	6362
NCBI Accession #	NP_002979
UniProt Primary Accession #	P55774
UniProt Secondary Accession #	Q53X71; B5BUM2
UniProt Related Accession #	P55774
GenBank Nucleotide #	NM_002988
NCBI Official Full Name	C-C motif chemokine 18
NCBI Official Synonym Full Names	C-C motif chemokine ligand 18
NCBI Official Symbol	CCL18
NCBI Official Synonym Symbols	CKb7; PARC; AMAC1; DCCK1; MIP-4; AMAC-1; DC-CK1; SCYA18
UniProt Protein Name	C-C motif chemokine 18
UniProt Synonym Protein Names	Alternative macrophage activation-associated CC chemokine 1; AMAC-1; CC chemokine PARC; Dendritic cell chemokine 1; DC-CK1; Macrophage inflammatory protein 4; MIP-4; Pulmonary and activation-regulated chemokine; Small-inducible cytokine A18
Protein Family	C-C motif chemokine
UniProt Gene Name	CCL18
UniProt Synonym Gene Names	AMAC1; DCCK1; MIP4; PARC; SCYA18; AMAC-1; DC-CK1; MIP-4
UniProt Entry Name	CCL18_HUMAN
NCBI Protein Information	C-C motif chemokine 18
NCBI Summary for CCL18	This antimicrobial gene is one of several Cys-Cys (CC) cytokine genes clustered on the q arm of chromosome 17. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine encoded by this gene displays chemotactic activity for naive T cells, CD4+ and CD8+ T cells and nonactivated lymphocytes, but not for monocytes or granulocytes. This chemokine attracts naive T lymphocytes toward dendritic cells and activated macrophages in lymph nodes. It may play a role in both humoral and cell-mediated immunity responses. [provided by RefSeq, Sep 2014]

UniProt Comments for CCL18	CCL18: Chemotactic factor that attracts lymphocytes but not monocytes or granulocytes. May be involved in B-cell migration into B-cell follicles in lymph nodes. Attracts naive T-lymphocytes toward dendritic cells and activated macrophages in lymph nodes, has chemotactic activity for naive T-cells, CD4+ and CD8+ T-cells and thus may play a role in both humoral and cell-mediated immunity responses. Belongs to the intercrine beta (chemokine CC) family. Protein type: Secreted, signal peptide; Motility/polarity/chemotaxis; Secreted; Chemokine Chromosomal Location of Human Ortholog: 17q12 Cellular Component: extracellular space Molecular Function: protein binding; chemokine activity Biological Process: cell-cell signaling; response to biotic stimulus; immune response; cell communication; chemotaxis; signal transduction; inflammatory response
Research Articles on CCL18	**1.** Matrigel invasion assays revealed that tumor ECM-educated macrophages efficiently stimulated cancer cell invasion through a mechanism involving CCL18.
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