MIP3B Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MIP3B, Polyclonal Antibody
Full Product Name	MIP3B, NT (C-C Motif Chemokine 19, Small Inducible Cytokine A19, Macrophage Inflammatory Protein 3 beta, MIP-3-beta, Epstein-Barr Virus-induced Molecule 1 Ligand Chemokine, EBI1-ligand Chemokine, ELC, Beta Chemokine Exodus-3, CK beta-11, CCL19, SCYA19) (P
Product Gene Name	anti-MIP3B antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein G Affinity Chromatography.
Specificity	Recognizes human CCL19.
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: PE 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	602227
3D Structure	ModBase 3D Structure for Q99731
Immunogen	Synthetic peptide selected from the N-terminal region of human CCL19 (KLH).
Conjugate	PE
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-MIP3B antibody	Antibodies; Growth Factors; Cytokines
Applications Tested/Suitable for anti-MIP3B antibody	Immunohistochemistry (IHC), FLISA
Application Notes for anti-MIP3B antibody	IHC: 1:50-1:100 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-MIP3B antibody	MBS6486010 is an antibody targeting MIP3B. Also known as MIP3B, NT (C-C Motif Chemokine 19, Small Inducible Cytokine A19, Macrophage Inflammatory Protein 3 beta, MIP-3-beta, Epstein-Barr Virus-induced Molecule 1 Ligand Chemokine, EBI1-ligand Chemokine, ELC, Beta Chemokine Exodus-3, CK beta-11, CCL19, SCYA19) (P. Reactive in Human. Host: Rabbit.
Product References and Citations for anti-MIP3B antibody	1. Townson, J.R., et al., Eur. J. Immunol. 32(5):1230-1241 (2002). 2. Till, K.J., et al., Blood 99(8):2977-2984 (2002). 3. Phillips, R., et al., Eur. J. Immunol. 32(3):837-847 (2002). 4. Ueno, T., et al., Immunity 16(2):205-218 (2002). 5. Kim, C.H., et al., J. Immunol. 160(5):2418-2424 (1998).

Other Notes	Small volumes of anti-MIP3B 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MIP3B. It may not necessarily be applicable to this product.

NCBI GI #	5454040
NCBI GeneID	6363
NCBI Accession #	NP_006265
UniProt Primary Accession #	Q99731
UniProt Secondary Accession #	O00697; O00736
UniProt Related Accession #	Q99731
GenBank Nucleotide #	NM_006274.2
NCBI Official Full Name	C-C motif chemokine 19
NCBI Official Synonym Full Names	C-C motif chemokine ligand 19
NCBI Official Symbol	CCL19
NCBI Official Synonym Symbols	ELC; CKb11; MIP3B; MIP-3b; SCYA19
UniProt Protein Name	C-C motif chemokine 19
UniProt Synonym Protein Names	Beta-chemokine exodus-3; CK beta-11; Epstein-Barr virus-induced molecule 1 ligand chemokine; EBI1 ligand chemokine; ELC; Macrophage inflammatory protein 3 beta; MIP-3-beta; Small-inducible cytokine A19
UniProt Gene Name	CCL19
UniProt Synonym Gene Names	ELC; MIP3B; SCYA19; EBI1 ligand chemokine; ELC; MIP-3-beta
UniProt Entry Name	CCL19_HUMAN
NCBI Protein Information	C-C motif chemokine 19
NCBI Summary for MIP3B	This antimicrobial gene is one of several CC cytokine genes clustered on the p-arm of chromosome 9. 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 may play a role in normal lymphocyte recirculation and homing. It also plays an important role in trafficking of T cells in thymus, and in T cell and B cell migration to secondary lymphoid organs. It specifically binds to chemokine receptor CCR7. [provided by RefSeq, Sep 2014]

UniProt Comments for MIP3B	CCL19: May play a role not only in inflammatory and immunological responses but also in normal lymphocyte recirculation and homing. May play an important role in trafficking of T-cells in thymus, and T-cell and B-cell migration to secondary lymphoid organs. Specifically binds to chemokine receptor CCR7. Recombinant CCL19 shows potent chemotactic activity for T-cells and B-cells but not for granulocytes and monocytes. Belongs to the intercrine beta (chemokine CC) family. Protein type: Secreted; Secreted, signal peptide; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 9p13 Cellular Component: extracellular space; extracellular region Molecular Function: CCR chemokine receptor binding; chemokine receptor binding; chemokine activity; CCR10 chemokine receptor binding; CCR7 chemokine receptor binding Biological Process: formation of immunological synapse; positive regulation of interleukin-12 production; positive regulation of dendritic cell antigen processing and presentation; cell maturation; positive regulation of JNK cascade; positive regulation of endocytosis; positive regulation of NF-kappaB import into nucleus; positive regulation of interleukin-1 beta secretion; activation of JNK activity; positive regulation of receptor-mediated endocytosis; dendritic cell chemotaxis; cell communication; positive regulation of T cell proliferation; establishment of T cell polarity; inflammatory response; positive regulation of I-kappaB kinase/NF-kappaB cascade; positive regulation of chemotaxis; response to virus; positive regulation of phosphoinositide 3-kinase activity; positive regulation of tumor necrosis factor production; cellular calcium ion homeostasis; positive regulation of protein kinase B signaling cascade; myeloid dendritic cell chemotaxis; release of sequestered calcium ion into cytosol; positive regulation of protein kinase activity; T cell costimulation; immune response; positive regulation of T-helper 1 cell differentiation
Research Articles on MIP3B	**1.** Study confirmes that CCL19 induces the invasion and migration of breast cancer cells through the expression of markers of epithelial-mesenchymal transition.
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