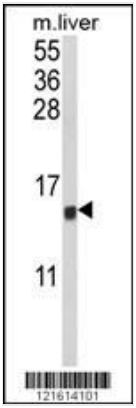
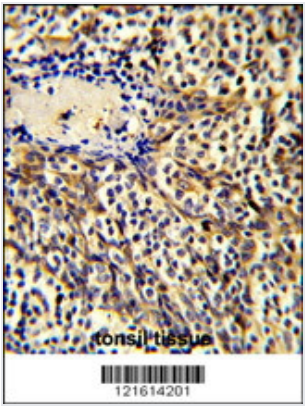
CCL3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CCL3, Polyclonal Antibody
Full Product Name	CCL3, CT (C-C motif Chemokine 3, Small-inducible Cytokine A3, Macrophage Inflammatory Protein 1-alpha, MIP-1-alpha, Tonsillar Lymphocyte LD78 alpha Protein, G0/G1 Switch Regulatory Protein 19-1, SIS-beta, PAT 464.1, MIP-1-alpha(4-69), LD78-alpha(4-69), SC
Product Gene Name	anti-CCL3 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Immunoaffinity chromatography.
Specificity	Recognizes human CCL3. Species Crossreactivity: mouse.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	10,085 Da
OMIM	182283
3D Structure	ModBase 3D Structure for P10147
Immunogen	Synthetic peptide selected from the C-terminal region of human CCL3 (KLH).
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-CCL3 antibody	Antibodies; Growth Factors; Cytokines
Applications Tested/Suitable for anti-CCL3 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-CCL3 antibody	WB: 1:100-1:500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-CCL3 antibody	MBS6485839 is an antibody targeting CCL3. Also known as CCL3, CT (C-C motif Chemokine 3, Small-inducible Cytokine A3, Macrophage Inflammatory Protein 1-alpha, MIP-1-alpha, Tonsillar Lymphocyte LD78 alpha Protein, G0/G1 Switch Regulatory Protein 19-1, SIS-beta, PAT 464.1, MIP-1-alpha(4-69), LD78-alpha(4-69), SC. Reactive in Human, Mouse. Host: Rabbit.
Product References and Citations for anti-CCL3 antibody	1. Hirashima, M., et.al., DNA Seq. 3(4), 203-212 (1992). 2. Blum, S., et.al., DNA Cell Biol. 9(8), 589-602 (1990).
Other Notes	Small volumes of anti-CCL3 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-CCL3 antibody
Western blot analysis of CCL3 Antibody (C-term) in mouse liver tissue lysates (35ug/lane). CCL3 (arrow) was detected using the purified Pab.



Immunohistochemistry (IHC) of anti-CCL3 antibody
Formalin-fixed and paraffin-embedded human tonsil tissue reacted with CCL3 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CCL3. It may not necessarily be applicable to this product.

NCBI GI #	4506843
NCBI GeneID	6348
NCBI Accession #	NP_002974.1
UniProt Primary Accession #	P10147
UniProt Related Accession #	P10147
GenBank Nucleotide #	NM_002983.2
NCBI Official Full Name	C-C motif chemokine 3
NCBI Official Synonym Full Names	chemokine (C-C motif) ligand 3
NCBI Official Symbol	CCL3
NCBI Official Synonym Symbols	MIP1A; SCYA3; G0S19-1; LD78ALPHA; MIP-1-alpha
UniProt Protein Name	C-C motif chemokine 3
UniProt Synonym Protein Names	G0/G1 switch regulatory protein 19-1; Macrophage inflammatory protein 1-alpha; MIP-1-alpha; PAT 464.1; SIS-beta; Small-inducible cytokine A3; Tonsillar lymphocyte LD78 alpha proteinCleaved into the following chain:MIP-1-alpha(4-69); Alternative name(s):; LD78-alpha(4-69)
Protein Family	C-C motif chemokine
UniProt Gene Name	CCL3
UniProt Synonym Gene Names	G0S19-1; MIP1A; SCYA3; MIP-1-alpha
UniProt Entry Name	CCL3_HUMAN
NCBI Protein Information	C-C motif chemokine 3; G0/G1 switch regulatory protein 19-1; PAT 464.1; SIS-beta; macrophage inflammatory protein 1-alpha; small inducible cytokine A3 (homologous to mouse Mip-1a); tonsillar lymphocyte LD78 alpha protein
NCBI Summary for CCL3	This locus represents a small inducible cytokine. The encoded protein, also known as macrophage inflammatory protein 1 alpha, plays a role in inflammatory responses through binding to the receptors CCR1, CCR4 and CCR5. Polymorphisms at this locus may be associated with both resistance and susceptibility to infection by human immunodeficiency virus type 1.[provided by RefSeq, Sep 2010]

UniProt Comments for CCL3	CCL3: Monokine with inflammatory and chemokinetic properties. Binds to CCR1, CCR4 and CCR5. One of the major HIV-suppressive factors produced by CD8+ T-cells. Recombinant MIP-1-alpha induces a dose-dependent inhibition of different strains of HIV-1, HIV-2, and simian immunodeficiency virus (SIV). Belongs to the intercrine beta (chemokine CC) family. Protein type: Secreted; Motility/polarity/chemotaxis; Chemokine; Secreted, signal peptide Chromosomal Location of Human Ortholog: 17q12 Cellular Component: extracellular space; cytoplasm; extracellular region; intracellular; cytosol Molecular Function: identical protein binding; CCR1 chemokine receptor binding; protein binding; chemokine activity; calcium-dependent protein kinase C activity; kinase activity; CCR5 chemokine receptor binding; protein kinase activity; chemoattractant activity; phospholipase activator activity Biological Process: positive regulation of catalytic activity; negative regulation of osteoclast differentiation; exocytosis; behavior; response to toxin; positive regulation of calcium-mediated signaling; positive regulation of interleukin-1 beta secretion; chemotaxis; protein amino acid phosphorylation; regulation of cell shape; monocyte chemotaxis; negative regulation of bone mineralization; cell-cell signaling; positive chemotaxis; positive regulation of neuron apoptosis; calcium ion transport; protein kinase B signaling cascade; lipopolysaccharide-mediated signaling pathway; inflammatory response; lymphocyte chemotaxis; neutrophil chemotaxis; calcium-mediated signaling; MAPKKK cascade; cytoskeleton organization and biogenesis; release of sequestered calcium ion by sarcoplasmic reticulum into cytosol; positive regulation of tumor necrosis factor production; macrophage chemotaxis; cellular calcium ion homeostasis; osteoblast differentiation; positive regulation of protein kinase B signaling cascade; cell activation; eosinophil chemotaxis; eosinophil degranulation; regulation of sensory perception of pain; positive regulation of calcium ion transport; astrocyte cell migration; positive regulation of inflammatory response; positive regulation of cell migration Disease: Human Immunodeficiency Virus Type 1, Susceptibility To
Research Articles on CCL3	**1.** MIP-1alpha levels in Jurkat cells appeared to be an important factor for its transendothelial migration
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