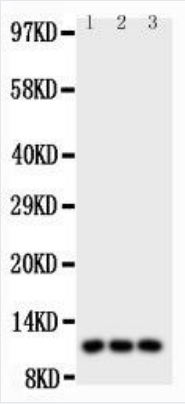
I-309 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	I-309, Polyclonal Antibody
Full Product Name	I-309 (C-C Motif Chemokine 1, Ccl1, CCL1_HUMAN, Chemokine CC Motif Ligand 1, Inflammatory Cytokine I-309, P500, SCYA1, SISe, Small Inducible Cytokine A1, Small-inducible Cytokine A1, T Lymphocyte Secreted Protein I-309, T Lymphocyte-secreted Protein I-309
Product Gene Name	anti-I-309 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. Labeled with MaxLight650.
Purity/Purification	Purified by Immunoaffinity chromatography.
Specificity	Recognizes human I-309.
Preparation and Storage	May be stored at -20 degree C. Stable for 12 months after receipt at -20 degree C. Reconstitute with sterile ddH2O. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Reconstituted product is stable for 12 months at -20 degree C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.
Molecular Weight	10,992 Da
OMIM	182281
3D Structure	ModBase 3D Structure for P22362
Immunogen	Recombinant protein corresponding to human I-309 expressed in E. coli. (Position: K24-K96). Species sequence homology: mouse (38%)
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-I-309 antibody	Antibodies; Growth Factors; Cytokines
Applications Tested/Suitable for anti-I-309 antibody	Western Blot (WB), FLISA
Application Notes for anti-I-309 antibody	WB: 0.1-0.5ug/ml, the detection limit is ~0.25ng/lane under reducing conditions. FLISA: 0.1-0.5ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-I-309 antibody	MBS6460724 is an antibody targeting I-309. Also known as I-309 (C-C Motif Chemokine 1, Ccl1, CCL1_HUMAN, Chemokine CC Motif Ligand 1, Inflammatory Cytokine I-309, P500, SCYA1, SISe, Small Inducible Cytokine A1, Small-inducible Cytokine A1, T Lymphocyte Secreted Protein I-309, T Lymphocyte-secreted Protein I-309. Reactive in Human. Host: Rabbit.
Product References and Citations for anti-I-309 antibody	1. Miller, M. D., Wilson, S. D., Dorf, M. E., Seuanez, H. N., O'Brien, S. J., Krangel, M. S.Sequence and chromosomal location of the I-309 gene: relationship to genes encoding a family of inflammatory cytokines.J. Immun. 145: 2737-2744, 1990.

Other Notes	Small volumes of anti-I-309 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.



Testing Data of anti-I-309 antibody
Anti-I-309 antibody, All lanes: Anti-I-309 at 0.5ug/ml Lane 1: U87 Whole Cell Lysate at 40ug
Lane 2: MCF-7 Whole Cell Lysate at 40ug Lane 3: COLO320 Whole Cell Lysate at 40ug
Predicted band size: 11KD Observed band size: 11KD

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for I-309. It may not necessarily be applicable to this product.

NCBI GI #	4506833
NCBI GeneID	6346
NCBI Accession #	NP_002972.1
UniProt Primary Accession #	P22362
UniProt Secondary Accession #	Q2M309; B2R5G9
UniProt Related Accession #	P22362
GenBank Nucleotide #	NM_002981.2
NCBI Official Full Name	C-C motif chemokine 1
NCBI Official Synonym Full Names	chemokine (C-C motif) ligand 1
NCBI Official Symbol	CCL1
NCBI Official Synonym Symbols	P500; SISe; TCA3; I-309; SCYA1
UniProt Protein Name	C-C motif chemokine 1
UniProt Synonym Protein Names	Small-inducible cytokine A1; T lymphocyte-secreted protein I-309
Protein Family	Putative defensin-like protein
UniProt Gene Name	CCL1
UniProt Synonym Gene Names	SCYA1
UniProt Entry Name	CCL1_HUMAN
NCBI Protein Information	C-C motif chemokine 1; T lymphocyte-secreted protein I-309; inflammatory cytokine I-309; small inducible cytokine A1 (I-309, homologous to mouse Tca-3)

NCBI Summary for I-309	This antimicrobial gene is one of several chemokine genes clustered on the q-arm of chromosome 17. Chemokines form a superfamily of secreted proteins involved in immunoregulatory and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of the N-terminal cysteine residues of the mature peptide. This chemokine, a member of the CC subfamily, is secreted by activated T cells and displays chemotactic activity for monocytes but not for neutrophils. It binds to the chemokine (C-C motif) receptor 8. [provided by RefSeq, Sep 2014]
UniProt Comments for I-309	CCL1: Cytokine that is chemotactic for monocytes but not for neutrophils. Binds to CCR8. Belongs to the intercrine beta (chemokine CC) family. Protein type: Chemokine; Secreted, signal peptide; Motility/polarity/chemotaxis; Secreted Chromosomal Location of Human Ortholog: 17q12 Cellular Component: extracellular space Molecular Function: chemokine activity Biological Process: cellular calcium ion homeostasis; viral reproduction; immune response; signal transduction; chemotaxis
Research Articles on I-309	**1.** CCL1-CCR8 interaction may play a critical role in lymphocytic recruitment in IgG4-related sclerosing cholangitis and type 1 autoimmune pancreatitis, leading to duct-centred inflammation and obliterative phlebitis.
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