

Rabbit anti-Mouse, Rat CCL8 Polyclonal Antibody | anti-CCL8 antibody

Anti-CCL8 Antibody

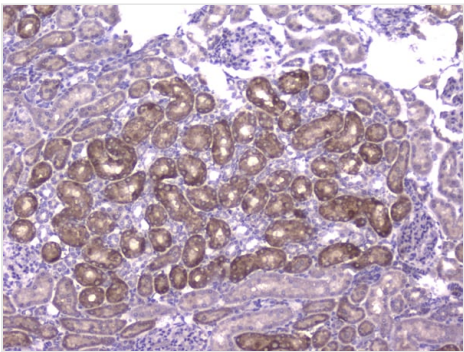
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA124950	Rabbit	Mouse, Rat	ELISA, Immunohistochemistry

PRODUCT SYNONYMS

CCL8; Polyclonal Antibody; Anti-CCL8 Antibody; C-C motif chemokine 8; Monocyte chemoattractant protein 2; Monocyte chemotactic protein 2; MCP-2; Small-inducible cytokine A8; Ccl8; Mcp2; Scya8; Chemokine (C-C motif) ligand 8; anti-CCL8 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized; Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	97
Applicable Applications for anti-CCL8 antibody	ELISA, IHC (Immunohistochemistry)
Immunogen	E Coli-derived mouse CCL8 recombinant protein (Position: G24-P97).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Relevant Detection Systems	It is recommended to use HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit for IHC-P.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



IHC (Immunohistochemistry)

Figure 1. IHC analysis of CCL8 using anti-CCL8 antibody. CCL8 was detected in paraffin-embedded section of mouse kidney tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-CCL8 antibody. CCL8 was detected in paraffin-embedded section of mouse spleen tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-CCL8 antibody. CCL8 was detected in paraffin-embedded section of mouse spleen tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-CCL8 antibody. CCL8 was detected in paraffin-embedded section of rat kidney tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-CCL8 Antibody overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-CCL8 antibody	CCL8, also known as monocyte chemoattractant protein 2 (MCP2), is a protein that in humans is encoded by the CCL8 gene. It is a small cytokine belonging to the CC chemokine family. The CCL8 protein is produced as a precursor containing 109 amino acids, which is cleaved to produce mature CCL8 containing 75 amino acids. The gene for CCL8 is encoded by 3 exons and is located within a large cluster of CC chemokines on chromosome 17q11.2 in humans. MCP-2 is chemotactic for and activates many different immune cells, including mast cells, eosinophils and basophils, (that are implicated in allergic responses), and monocytes, T cells, and NK cells that are involved in the inflammatory response. CCL8 elicits its effects by binding to several different cell surface receptors called chemokine receptors. These receptors include CCR1, CCR2B, CCR3 and CCR5.
References	1. GRCh38: Ensembl release 89: ENSG00000108700 - Ensembl, May 2017. 2. Proost P, Wuyts A, Van Damme J (January 1996). "Human monocyte chemotactic proteins-2 and -3: structural and functional comparison with MCP-1". J. Leukoc. Biol. 59 (1): 67-74. PMID 8558070.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10946818
NCBI GeneID	20307
NCBI Accession #	NP_067418.1
NCBI GenBank Nucleotide #	NM_021443.3
UniProt Accession #	Q9Z121
NCBI Official Full Name	C-C motif chemokine 8
NCBI Official Synonym Full Names	chemokine (C-C motif) ligand 8
NCBI Official Symbol	Ccl8
NCBI Official Synonym Symbols	HC14; Mcp2; MCP-2; Scya8; AB023418; 1810063B20Rik

NCBI Protein Information	C-C motif chemokine 8
UniProt Protein Name	C-C motif chemokine 8
UniProt Gene Name	Ccl8
UniProt Synonym Gene Names	Mcp2; Scya8; MCP-2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ccl8-antibody-immunohistochemistry-elisa/124950>