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MCP-2 Rabbit pAb

Catalog # AP99864

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	P80075
Other Accession	P80075
Predicted	Rat, Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	11246
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MCP-2
Epitope Specificity	24-99/99
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the intercrine beta (chemokine CC) family.
SUBUNIT	Monomer or homodimer; in equilibrium.
Post-translational modifications	N-terminal processed form MCP-2(6-76) is produced by proteolytic cleavage after secretion from peripheral blood monocytes.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene is one of several cytokine genes clustered on the q-arm of chromosome 17. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The protein encoded by this gene is structurally related to the CXC subfamily of cytokines. Members of this subfamily are characterized by two cysteines separated by a single amino acid. This cytokine displays chemotactic activity for monocytes, lymphocytes, basophils and eosinophils. By recruiting leukocytes to sites of inflammation this cytokine may contribute to tumor-associated leukocyte infiltration and to the antiviral state against HIV infection. [provided by RefSeq, Jul 2008].

Additional Information

Gene ID	6355
Other Names	HC14; MCP-2; MCP2; SCYA10; SCYA8; CCL8_HUMAN; CCL8; Monocyte chemoattractant protein 2; Monocyte chemotactic protein 2 (MCP-2); Small-inducible cytokine A8; C-C motif chemokine ligand 8; small inducible cytokine subfamily A (Cys-Cys), member 8 (monocyte chemotactic protein 2); chemokine (C-C motif) ligand 8
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CCL8
Synonyms	MCP2, SCYA10, SCYA8
Function	Chemotactic factor that attracts monocytes, lymphocytes, basophils and eosinophils. May play a role in neoplasia and inflammatory host responses. This protein can bind heparin. The processed form MCP-2(6-76) does not show monocyte chemotactic activity, but inhibits the chemotactic effect most predominantly of CCL7, and also of CCL2 and CCL5 and CCL8.
Cellular Location	Secreted.
Tissue Location	Highest expression found in the small intestine and peripheral blood cells. Intermediate levels seen in the heart, placenta, lung, skeletal muscle, thymus, colon, ovary, spinal cord and pancreas. Low levels seen in the brain, liver, spleen and prostate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.