

Rabbit Anti-MCP-2/AF350 Conjugated antibody

SL1984R-AF350

Product Name	Anti-MCP-2/AF350
Chinese Name	AF350 标记的单核细胞趋化蛋白 2 抗体
Alias	MCP2; CCL 8; CCL8; CCL8; CCL8_HUMAN; C-C motif chemokine 8; Chemokine CC Motif Ligand 8; Chemokine CC Motif Ligand 8; HC14; HC14; MCP-2; MCP-2(6-76); Monocyte chemoattractant protein 2; Monocyte Chemotactic Protein 2; Monocyte Chemotactic Protein 2; SCYA10; SCYA8; SCYA8; Small inducible cytokine A8 [Precursor]; Small-inducible cytokine A8.
Research Area	Tumour Cell biology immunology Neurobiology Signal transduction Growth factors and hormones
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Rat) IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	8/9kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human MCP-2
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	background:

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].

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.

Subunit:

Monomer or homodimer; in equilibrium.

Subcellular Location:

Secreted.

Tissue Specificity:

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.

Post-translational modifications:

N-terminal processed form MCP-2(6-76) is produced by proteolytic cleavage after secretion from peripheral blood monocytes.

Similarity:

Belongs to the intercrine beta (chemokine CC) family.

Database links:

[Entrez Gene: 6355](#) Human

[Omim: 602283](#) Human

[SwissProt: P80075](#) Human

[Unigene: 271387](#) Human



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