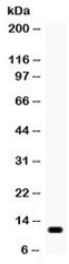
MCP1 Antibody / CCL2 (R31957)

Catalog No.	Formulation	Size
R31957	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P13500
Applications	Western blot: 0.1-0.5ug/ml ELISA: 0.1-0.5ug/ml (human protein tested); request BSA-free format for coating
Limitations	This MCP1 antibody is available for research use only.



Western blot testing of human SW620 cell lysate with MCP1 antibody. Expected/observed molecular weight ~11/9 kDa (precursor/mature).

Description

Monocyte chemoattractant protein-1 (MCP-1), a member of the chemokine (chemotactic cytokine) family, is a potent monocyte agonist that is upregulated by oxidized lipids. MCP-1 is also known as CCL2, SCYA2, and MCAF. It is a member of family of factors involved in immune and inflammatory responses. The amino acid sequence deduced from the nucleotide sequence reveals the primary structure of the precursor to be composed of a putative signal peptide sequence of 23 amino acid residues and a mature MCAF sequence of 76 amino acid residues. MCP-1 plays a unique and crucial role in the initiation of atherosclerosis and may provide a new therapeutic target in this disorder.

Application Notes

Optimal dilution of the MCP1 antibody should be determined by the researcher.

Immunogen

Amino acids 24-99 of human MCP1 were used as the immunogen for the MCP1 antibody.

Storage

After reconstitution, the MCP1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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