



## MCP-1 Polyclonal Antibody

Catalog Number PA5-34505

Product Data Sheet

Details		Species Reactivity	
Size	100ug	Tested species reactivity	Human, Mouse, Rat
Host / Isotype	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal	Immunocytochemistry (ICC)	20 ug/ml
Type	Antibody	Immunofluorescence (IF)	20 ug/ml
Immunogen	A 17 amino acid peptide near the carboxy terminus of human CCL2	Immunohistochemistry (IHC)	5 ug/ml
Conjugate	Unconjugated	Western Blot (WB)	1 - 2 ug/mL
Form	Liquid	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Concentration	1mg/ml		
Purification	Antigen affinity chromatography		
Storage Buffer	PBS		
Contains	0.02% sodium azide		
Storage Conditions	Maintain refrigerated at 2-8°C for up to 3 months. For long term storage store at -20°C		

### Product Specific Information

A suggested positive control is rat spleen tissue lysate.

PA5-34505 can be used with blocking peptide PEP-1548.

### Background/Target Information

CCL2, also known as monocyte chemoattractant protein 1 (MCP1), belongs to the intercrine beta (chemokine CC) family. It is produced by a variety of cell types and is a potent chemoattractant for monocytes, memory T lymphocytes, and natural killer (NK) cells. It is upregulated during infection and inflammation. CCL2 is a potent basophil activator but does not affect eosinophils, whereas the related protein MCP2 stimulates both eosinophils and basophils. MCP3 has been shown to have the broadest range of influence. CCL2 has been implicated in the pathogenesis of diseases characterized by monocyte infiltrates, like psoriasis, rheumatoid arthritis or atherosclerosis.

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