

## MCP-1 Polyclonal Antibody

<b>CATALOG #:</b>	5225-100
<b>AMOUNT:</b>	100 µg
<b>LOT #:</b>	_____
<b>HOST:</b>	Rabbit
<b>IMMUNOGEN:</b>	<i>E. coli</i> -expressed rat MCP-1 (a.a. 1-73)
<b>SPECIES REACTIVITY:</b>	mouse, rat

### FORMULATION:

100 µg (0.5 mg/ml) immunoaffinity purified rabbit anti-rat MCP-1 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% sodium azide.

### STORAGE CONDITIONS:

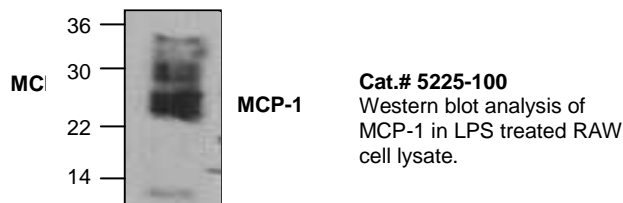
Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/defrost cycles.

### BACKGROUND DESCRIPTION:

Rat MCP-1/JE (monocyte chemoattractant protein-1) is a 148-amino acid CC chemokine with a N-terminal sequence of 29 residues as a signal sequence. It was originally cloned from Con-A-stimulated rat spleen cDNA library. This rat MCP-1/JE is 49-amino acid longer than human MCP-1 at 3'-end. The 3'-end is a serine and threonine rich zone, which is probably responsible for the extensive O-glycosylation and which explains for the higher molecular weight (25 kDa). In vitro, MCP-1/JE is chemotactic for monocytes as well as lymphocytes and basophils, but not for neutrophils. MCP-1/JE is produced by a wide range of cell types as a reaction to diverse inflammatory stimuli.

### APPLICATION:

The antibody can be used for Western blot analysis (0.5-2 µg/ml). From researcher's feedback, it can also be used for neutralization studies. However, the optimal conditions should be determined individually.



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