

MCP-1 Polyclonal Antibody

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

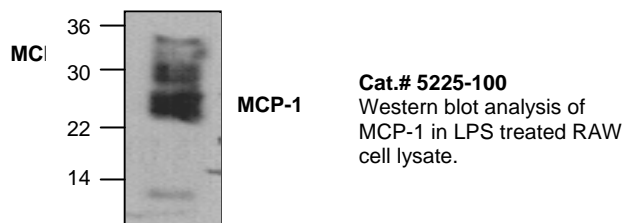
Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

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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