

MIP-1 α Polyclonal Antibody

CATALOG #:	5246-100
AMOUNT:	100 μ g
LOT #:	_____
HOST:	Rabbit
IMMUNOGEN:	<i>E. coli</i> -expressed mature rat MIP-1 α (a.a. 1-69)
SPECIES REACTIVITY:	mouse, rat

FORMULATION:

100 μ g (0.5 mg/ml) immunoaffinity purified rabbit anti-rat MIP-1 α polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% thimerosal.

STORAGE CONDITIONS:

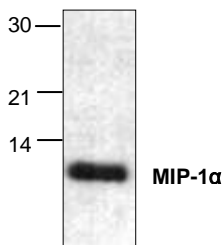
Store at -20°C. For optimal storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND DESCRIPTION:

MIP-1 α (macrophage inflammatory protein-1 α) is a 60-amino acid CC chemokine with a molecular weight of 7.9 kDa. MIP-1 α induces migration of monocytes/macrophages, B-lymphocytes, activated CD8⁺ T cells, natural killer (NK) cells, eosinophils. MIP-1 α also stimulates basophils to release histamine, induces ICAM-1 expression, mast cell degranulation, and production of TNF- α , IL-1 and IL-6. In addition to its proinflammatory activities, MIP-1 α inhibits the proliferation of hematopoietic stem cells *in vitro* and *in vivo*.

APPLICATION:

The antibody can be used for Western blot analysis (0.5-4 μ g/ml) and immunoprecipitation (4-8 μ g/ml). However, the optimal conditions should be determined individually.



Cat.#:5246-100
Western blot analysis of MIP-1 α with RAW264.7 cells treated with LPS.

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