

# MIP-1 $\alpha$ Polyclonal Antibody

**CATALOG #:** 5246-100  
**AMOUNT:** 100  $\mu$ g  
**LOT #:** \_\_\_\_\_  
**HOST:** Rabbit  
**IMMUNOGEN:** *E. coli*-expressed mature rat MIP-1 $\alpha$  (a.a. 1-69)  
**SPECIES REACTIVITY:** mouse, rat

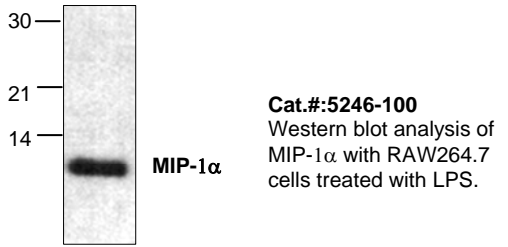
**FORMULATION:**  
 100  $\mu$ g (0.5 mg/ml) immunoaffinity purified rabbit anti-rat MIP-1 $\alpha$  polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% thimerosal.

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

**BACKGROUND DESCRIPTION:**  
 MIP-1 $\alpha$  (macrophage inflammatory protein-1 $\alpha$ ) is a 60-amino acid CC chemokine with a molecular weight of 7.9 kDa. MIP-1 $\alpha$  induces migration of monocytes/macrophages, B-lymphocytes, activated CD8<sup>+</sup> T cells, natural killer (NK) cells, eosinophils. MIP-1 $\alpha$  also stimulates basophils to release histamine, induces ICAM-1 expression, mast cell degranulation, and production of TNF- $\alpha$ , IL-1 and IL-6. In addition to its proinflammatory activities, MIP-1 $\alpha$  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  $\mu$ g/ml) and immunoprecipitation (4-8  $\mu$ g/ml). However, the optimal conditions should be determined individually.

**FOR RESEARCH USE ONLY! NOT TO BE USED IN HUMAN SUBJECTS!**



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