Purified Rabbit Anti-rat MIP-1α

Catalog Number: TP206
Lot Number: 032415
Content: Protein A purified rabbit IgG, 500 µg, with 0.1% sodium azide, lyophilized.

(Reconstitute to 1 mg/ml by adding 500 µl H₂O)

Product Description and Usage: For research use only. This polyclonal antibody, which reacts with both mouse and rat MIP-1α, was generated using E. coli-expressed amino acid 1-69 of mature rat MIP-1α as an immunogen. This antibody can be used for Western blot (1:2,000), immunohistochemistry (1:300) and neutralizing.²

Cross-reactivity to MIP-1α of other species has not been determined.

Storage Condition: 4°C for short term storage or -20°C in small aliquots for long term storage. Avoid repeated freeze and thaw.

Background: MIP-1α (macrophage inflammatory protein-1 α) is a 69-amino acid CC chemokine with a molecular weight of 7.9 kDa.¹ MIP-1α induces migration of monocytes/macrophages, B lymphocytes, activated CD8⁺ T cells, natural killer (NK) cells, eosinophils.² MIP-1α also stimulates basophils to release histamine, induces ICAM-1 expression, mast cell degranulation, and production of TNFα, IL-1 and IL-6. In addition to its proinflammatory activities, MIP-1α inhibits the proliferation of hematopoietic stem cells in vitro and in vivo.

References: