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CCL3
Rabbit Anti-Mouse Macrophage Inflammatory Protein-1 alpha pAb Biotin

Catalog No.	PA0962BT
Lot No:	2210001
Quantity:	50 µg
Alternate Names:	LD78alpha, MIP1-(α), MIP1-alpha, Mip1α, CCL3, SCYA3
Description:	Both MIP-1 α and MIP-1 β are structurally and functionally related CC chemokines. They participate in the host response to invading bacterial, viral, parasite and fungal pathogens by regulating the trafficking and activation state of selected subgroups of inflammatory cells e.g. macrophages, lymphocytes and NK cells. While both MIP-1 α and MIP-1 β exert similar effects on monocytes their effect on lymphocytes differ; with MIP-1 α selectively attracting CD8+ lymphocytes and MIP-1 β selectively attracting CD4+ lymphocytes. Additionally, MIP-1 α and MIP-1 β have also been shown to be potent chemoattractants for B cells, eosinophils and dendritic cells. Both human and murine MIP -1 α and MIP-1 β are active on human and mouse hematopoietic cells. Recombinant mouse MIP-1 α is a 7.8 kDa protein containing 69 amino acid residues, including the four highly conserved cysteine residues present in CC chemokines.
Gene ID:	20302
UniProtKB:	P10855
Conjugate:	Biotin
Specificity:	Mouse MIP-1 alpha
Host:	Rabbit
Immunogen:	Recombinant mouse MIP-1 alpha (98% pure)
Formulation:	Lyophilized from PBS
Purification:	Antigen affinity chromatography employing immobilized mouse MIP-1α matrix
Reconstitution:	**Centrifuge vial prior to opening**. Add sterile distilled water to the vial to fully solubilize the antibody to a concentration 0.1-1.0 mg/mL.
Applications:	ELISA and Western Blot
Application Notes:	**Direct ELISA:** using a concentration of 0.25-1.0 µg/mL, in conjunction with appropriate secondary reagents allows detection of at least 0.2 0.2 ng/well. **Sandwich ELISA:** using a concentration of 0.25-1.0 µg/mL, in conjunction with compatible secondary reagents allows the detection of at least 0.2 ng/well. **Western Blot:** using a concentration of 0.1-0.2 µg/mL in conjunction with compatible secondary reagents, the detection limit is 1.5-3.0 ng/lane under either reducing or non-reducing conditions. The optimal concentration should be determined by the user for each specific application.
Storage & Stability:	Lyophilized product is stable at room temperature for up to 3 weeks. On receipt store lyophilized antibody at -20°C. Reconstituted antibody is stable for at least 2 weeks at 2-8° C. For long term storage, aliquot and store at -20°C. **Avoid repeated freeze-thaw**

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