

## 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  $\alpha$  and MIP-1  $\beta$  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  $\alpha$  and MIP-1  $\beta$  exert similar effects on monocytes their effect on lymphocytes differ; with MIP-1  $\alpha$  selectively attracting CD8+ lymphocytes and MIP-1  $\beta$  selectively attracting CD4+ lymphocytes. Additionally, MIP-1  $\alpha$  and MIP-1  $\beta$  have also been shown to be potent chemoattractants for B cells, eosinophils and dendritic cells. Both human and murine MIP-1  $\alpha$  and MIP-1  $\beta$  are active on human and mouse hematopoietic cells. Recombinant mouse MIP-1  $\alpha$  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- $0.2 \mu g/mL$  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

Toll Free: 888-769-1246

Phone: 978-572-1070

Fax: 978-992-0298

lyophilized antibody at -20°C. Reconstituted antibody is stable for at least 2 weeks at 2-8°

E-mail: info@cellsciences.com

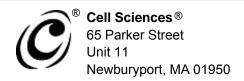
Website: www.cellsciences.com

C. For long term storage, aliquot and store at -20°C. Avoid repeated freeze-thaw



cycles.

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