
Anti-Mouse/Rat CCL3 (MIP-1 alpha) Purified


Catalog Number: 14-7995

Also Known As: MIP1a, MIP1-a, MIP-1a, CCL-3

RUO: For Research Use Only

Product Information


Contents: Anti-Mouse/Rat CCL3 (MIP-1 alpha) Purified

 Catalog Number: 14-7995


Clone: Polyclonal

Host/Isotype: Rabbit IgG

Formulation: aqueous buffer, 0.09% sodium azide, contains carrier protein/stabilizer if necessary

 Temperature Limitation: Store at 2-8°C.

 Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

Description

The CCL3 polyclonal antibody reacts with both mouse and rat CCL3, also known as MIP-1 α (macrophage inflammatory protein-1 alpha). The antibody was generated using *E. coli*-expressed amino acids 1-69 of mature rat CCL3 as an immunogen. CCL3 is a 69-amino acid CC chemokine with a molecular weight of 7.9 kDa. CCL3 induces migration of monocytes/macrophages, B lymphocytes, activated CD8⁺ T cells, natural killer (NK) cells, and eosinophils. CCL3 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, CCL3 inhibits the proliferation of hematopoietic stem cells *in vitro* and *in vivo*. Cross-reactivity to CCL3 of other species has not been determined.

Applications Reported

This polyclonal has been reported for use in immunoblotting (WB) (1:2000) and immunoprecipitation (1:500).

Applications Tested

This polyclonal antibody has been tested by immunoblotting (WB). It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Davatelis G, et al. 1988. Cloning and characterization of a cDNA for murine macrophage inflammatory protein (MIP), a novel monokine with inflammatory and chemokinetic properties. *J Exp Med.* 167: 1939-1944. Wolpe SD, Cerari A. 1989. Macrophage inflammatory proteins 1 and 2: members of a novel superfamily of cytokines. *FASEB J.* 3:2565-2573. Cook DN. 1996. The role of MIP-1a in inflammation and hematopoiesis. *J Leukoc Biol.* 59:61-66. Wells TNC. 1996. The molecular basis of selectivity between CC and CXC chemokines: the possibility of chemokine antagonists as anti-inflammatory agents. *Ann N Y Acad Sci.* 796:245-256.

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