

Product datasheet for **PP038P2**

Ccl3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FN, WB
Recommended Dilution:	Neutralization: To yield one-half maximal inhibition [ND50] of the biological activity of Rat MIP1-alpha (100 ng/ml), a concentration of 8.0-10.0 µg/ml of this antibody is required. Indirect ELISA: To detect Rat MIP1-alpha by Indirect ELISA (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2-0.4 ng/well of recombinant Rat MIP-1 alpha. Sandwich ELISA: To detect Rat MIP1-alpha by Sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. This purified antibody, in conjunction with Biotinylated Anti-Rat MIP1-alpha (Cat.-No PP038B1 or PP038B2) as a Detection antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant Rat MIP1-alpha. Western Blot: To detect Rat MIP1-alpha by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Rat MIP1-alpha is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (>98%) E.coli recombinant Rat MIP-1-alpha (Cat.-No PA043)
Specificity:	Recognizes Rat MIP-1 alpha. Other species not tested.
Formulation:	PBS, pH 7.2 without preservatives State: Aff - Purified State: Lyophilized (sterile filtered) purified Ig fraction
Reconstitution Method:	Restore in sterile water to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity Chromatography employing an immobilized Rat MIP1-alpha Matrix
Conjugation:	Unconjugated



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Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	C-C motif chemokine ligand 3
Database Link:	Entrez Gene 25542 Rat P50229
Background:	Macrophage Inflammatory Protein 1 alpha (MIP1 alpha) and MIP1 beta, two closely related but distinct proteins, were originally co-purified from medium conditioned by a LPS-stimulated murine macrophage cell line. Mature mouse MIP1 alpha shares approximately 77% and 70% amino acid identity with human MIP1 alpha and mouse MIP1 beta, respectively. MIP1 proteins are expressed primarily in T cells, B cells, and monocytes after antigen or mitogen stimulation. Has adhesive effects on lymphocytes. MIP1 alpha can inhibit the proliferation of hematopoietic stem cells in vitro as well as in vivo. A signal transducing receptor, designated the C-C chemokine receptor-1 (C-C CKR-1) with seven transmembrane domains that bind MIP1 alpha, MIP1 beta, MCP1 and RANTES with varying affinities, has been isolated.
Synonyms:	CCL-3, MIP-1-alpha, C-C motif chemokine 3, MIP1A, Small-inducible cytokine A3, SCYA3, LD78 alpha, G0S19-1 protein
Note:	Centrifuge vial prior to opening!