

Product datasheet for **PM1008A**

CCL3 Mouse Monoclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FN, IHC, WB
Recommended Dilution:	Neutralization: To yield one-half maximal inhibition [ND50] of the biological activity of Human MIP1-alpha (100 ng/ml), a concentration of 5.0-10.0 µg/ml of this antibody is required. Sandwich ELISA: In a Sandwich ELISA (assuming 100 µl/well), a concentration of 2.0-4.0 µg/ml of this antibody will detect at least 2000 pg/ml of recombinant Human MIP1-alpha when used with Biotin anti-Human MIP1-alpha antibody (Cat.-No PP1050B) as the detection antibody at a concentration of approximately 1.0-2.0 µg/ml. Western Blot: To detect Human MIP1-alpha by Western Blot analysis this antibody can be used at a concentration of 2.0-4.0 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Human MIP1-alpha is 1.0-2.0 ng/lane, under <i>non-reducing conditions</i> .
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Highly purified E.coli derived recombinant Human MIP-1 alpha (CCL3) (Cat.-No PA106)
Specificity:	Recognizes Human Macrophage Inflammatory Protein 1 alpha (MIP1-alpha). Other species not tested.
Formulation:	PBS without preservatives State: Azide Free State: Lyophilized (sterile filtered) purified Ig fraction
Reconstitution Method:	Restore in sterile water to a concentration of 1.0 mg/ml.
Purification:	Affinity Chromatography on Protein G
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 6348 Human P10147
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