

Product datasheet for **PM1207P**

MCP2 (CCL8) Mouse Monoclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FN, WB
Recommended Dilution:	ELISA: In a sandwich ELISA (assuming 100 µl/well), a concentration of 1.0-2.0 µg/ml of this antibody will detect at least 100 pg/ml of recombinant human MCP-2 when used with Biotin anti-Human MCP-2 antibody (cat. PP1047B) as the detection antibody at a concentration of approximately 0.5-1.0 µg/ml. Western Blot: To detect Human MCP-2 by Western Blot analysis this antibody can be used at a concentration of 0.25-0.50 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hMCP-2 is 0.25-0.50 ng/lane, under non-reducing conditions. Neutralization: To yield one-half maximal inhibition [ND50] of the biological activity of Human MCP-2 (100 ng/ml), a concentration of 0.8-1.0 µg/ml of this antibody is required.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Highly pure (>98%) recombinant Human MCP-2
Specificity:	Reacts with Human Macrophage Chemotactic Protein-2 (MCP-2)
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 A
Conjugation:	Unconjugated
Storage:	Store the antibody prior to reconstitution at -20°C. Following reconstitution the antibody can be stored at 2-8°C for one month or at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	C-C motif chemokine ligand 8



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Database Link: [Entrez Gene 6355 Human P80075](#)

Background: MCP 2 (Monocyte Chemoattractant Protein 2) is a chemotactic factor that attracts monocytes, lymphocytes, basophils and eosinophils. MCP 2 is important to inflammatory host responses, and is found in the highest concentration in the small intestine and peripheral blood cells. This protein is structurally related to the CXC subfamily of cytokines. Members of this subfamily are characterized by two cysteines separated by a single amino acid. By recruiting leukocytes to sites of inflammation this cytokine may contribute to tumor-associated leukocyte infiltration and to the antiviral state against HIV infection.

Synonyms: MCP-2, CCL-8, C-C motif chemokine 8, Small-inducible cytokine A8, SCYA10, SCYA8, HC14, MCP-2