

Product datasheet for **PP1045P1**

MCP2 (CCL8) 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 hMCP-2 (100.00 ng/ml), a concentration of 12-16 µg/ml of this antibody is required. ELISA: To detect hMCP-2 by <u>Indirect ELISA</u> (using 100 µl/well antibody solution) a concentration of at least 0.5-0.2 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2-0.4 ng/well of recombinant hMCP-2. Sandwich: To detect hMCP-2 by sandwich 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 Biotinylated Anti-Human MCP-2 (PP1045B1/B2) as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant hMCP-2. Western Blot: To detect hMCP-2 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 hMCP-2 is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (>98%) recombinant hMCP-2.
Specificity:	Human Macrophage Chemotactic Protein-2 (MCP-2).
Formulation:	PBS, pH 7.2 without preservatives. State: Aff - Purified State: Lyophilized purified Ig fraction.
Reconstitution Method:	Restore in sterile water to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity chromatography.
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.



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Stability:	Shelf life: One year from despatch.
Gene Name:	C-C motif chemokine ligand 8
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
Note:	Centrifuge vial prior to opening!