

Product datasheet for **DM2039**

MCP3 (CCL7) Mouse Monoclonal Antibody [Clone ID: 542]

Product data:

Product Type:	Primary Antibodies
Clone Name:	542
Applications:	ELISA, WB
Recommended Dilution:	ELISA: This antibody can be used as a capture antibody in sandwich ELISA applications for human MCP-3 detection in combination with a monoclonal tracer/detection antibody (HRP conjugated, Cat.-No DM2035HRP or Biotin-conjugated Cat.-No DM2035B). <i>Suggested Capture Coating Dose: 3 µg/well. Substrate: TMB.</i> Western Blot: An antibody concentration of 0.5-2 µg/mL will allow visualization of 0.1 µg/lane of Human MCP-3.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Recombinant Human MCP-3 (M.W. 8.5 kDa containing 76 amino acids residues)
Specificity:	Reactive with natural and recombinant Human MCP-3. Does not show any cross reaction with other Human Cytokines or growth factors tested such as IL1 beta, IL-8, MCAF, SAA and EGF.
Formulation:	0.01M PBS, pH 7.2 without preservatives State: Purified State: Lyophilized purified IgG fraction
Reconstitution Method:	Restore with Double distilled to adjust the final concentration to 1.00 mg/ml
Concentration:	0.1 mg/ml (after reconstitution)
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Upon receipt, store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	C-C motif chemokine ligand 7



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Database Link: [Entrez Gene 6354 Human P80098](#)

Background: Macrophage/monocyte chemotactic protein-3 (MCP-3), like other two closely related chemokines (MCP1 and MCP-2), is chemotactic to monocytes, but not to neutrophils. MCP-3 showed 78% sequence homology with MCP-1 and 58% sequence homology with MCP-2. The primary receptor for MCP-3 is D6. MCP-3 also competes with MCP-1 to bind to CCR10, and competes with Rantes and MIP-1 α to bind to CCR1. MCP-3 stimulates macrophage to secrete proteases. A variety of cancer cell lines express MCP-3, suggesting a role in tumor invasion and metastasia.

Synonyms: Small-inducible cytokine A7, CCL-7, MCP-3, C-C motif chemokine 7, SCYA6, SCYA7, NC28