

Product datasheet for **DM2035HRP**

MCP3 (CCL7) Mouse Monoclonal Antibody [Clone ID: 113]

Product data:

Product Type:	Primary Antibodies
Clone Name:	113
Applications:	ELISA
Recommended Dilution:	ELISA: This MCP3 antibody HRP-conjugated can be used as a Tracer/Detection Antibody in Sandwich ELISA applications for human MCP-3 detection in combination with a Capture antibody (Cat#DM2039) <i>Suggested Capture Coating Dose:</i> 3 µg/well <i>Substrate:</i> TMB
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified Recombinant Human Monocyte Chemotactic Protein-3 (MCP-3).
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 7.0 ± 0.1 in 50% Glycerol and 0.01% Thimerosal as a bacteriostat Label: HRP State: Liquid purified IgG fraction Label: Horseradish Peroxidase
Purification:	Affinity Chromatography on Protein G.
Conjugation:	HRP
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	C-C motif chemokine ligand 7
Database Link:	Entrez Gene 6354 Human P80098



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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
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Chemokine signaling pathway, Cytokine-cytokine receptor interaction, NOD-like receptor signaling pathway