

## Product datasheet for **DM2034B**

### MCP1 (CCL2) Mouse Monoclonal Antibody [Clone ID: S101]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	S101
Applications:	ELISA
Recommended Dilution:	<b>ELISA:</b> This Biotin-conjugated monoclonal antibody can be used as a Tracer/Detection antibody in Sandwich ELISA applications for Human MCP-1 detection in combination with a Capture antibody Clone S14 (Cat.-No DM2032) and avidin-HRP conjugate. <b>Suggested Capture Coating Dose:</b> ~0.3 µg/ml; Substrate: TMB. If the above suggested conditions are followed approximately 1.5 pg/mL of MCP-1 in serum/plasma or 4 pg/mL of MCP-1 in medium can be detected with an assay range of 0-1600 pg/mL.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant Human MCP-1
Specificity:	This monoclonal antibody reacts with natural and recombinant Human MCP-1. Does not react with Human interleukin-8 (IL-8) and other human cytokines tested such as interleukin-1β (IL-1β), serum amyloid A (SAA) and epidermal growth factor (EGF).
Formulation:	0.01M PBS, pH 7.0±0.1 Label: Biotin State: Liquid purified IgG fraction Stabilizer: 1% Gelatin Preservative: 0.1% Proclin-300
Purification:	Affinity Chromatography on Protein G
Conjugation:	Biotin
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 2



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**Database Link:** [Entrez Gene 6347 Human P13500](#)

**Background:** Monocyte chemotactic and activating factor (MCAF) is also called monocyte chemotactic protein-1 (MCP-1) and chemokine (C-C motif) ligand 2 (CCL2). It is primarily secreted by monocytes, macrophages and dendritic cells. This cytokine displays chemotactic activity for monocytes, T-cells, and basophils, but not for neutrophils or eosinophils. MCAF causes the degranulation of basophils and mast cells, and augments the activity of monocyte and macrophage. MCAF plays an important role in inflammation, angiogenesis, auto-immune diseases, renal diseases, chronic infection and granuloma formation.

**Synonyms:** C-C motif chemokine 2, SCYA2, MCAF, Small-inducible cytokine A2, MCP-1, HC11, HC-11