

## Product datasheet for **DM2031**

### MCP1 (CCL2) Mouse Monoclonal Antibody [Clone ID: 9G10]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	9G10
Applications:	ELISA, FN
Recommended Dilution:	<b>ELISA:</b> React with Human MCP-1. <b>Neutralizing:</b> Tests on the ability to inhibit monocyte chemotaxis toward 1 nM recombinant human MCP-1 in blindwell chambers showed that the antibodies were particularly effective on blocking MCP1 activity.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant Human MCP1.
Specificity:	This MCP1 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-1 beta (IL1 beta), serum Amyloid A (SAA) and epidermal growth factor (EGF).
Formulation:	0.01M PBS, pH 7.2 without preservatives. State: Azide Free State: Lyophilized purified IgG fraction.
Reconstitution Method:	Restore with double distilled water to adjust the final concentration to 1.00 mg/ml
Purification:	Affinity Chromatography on Protein G.
Conjugation:	Unconjugated
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 2
Database Link:	<a href="#">Entrez Gene 6347 Human P13500</a>



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<b>Background:</b>	This chemotactic factor attracts monocytes and basophils but not neutrophils or eosinophils and augments monocyte anti-tumor activity. It has been implicated in the pathogenesis of diseases characterized by monocytic infiltrates, like psoriasis, rheumatoid arthritis or atherosclerosis. It may be involved in the recruitment of monocytes into the arterial wall during the disease process of atherosclerosis.
<b>Synonyms:</b>	C-C motif chemokine 2, SCYA2, MCAF, Small-inducible cytokine A2, MCP-1, HC11, HC-11
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Protein Pathways:</b>	Chemokine signaling pathway, Cytokine-cytokine receptor interaction, NOD-like receptor signaling pathway