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Mouse anti-Human MCP-1 (MCAF) Monoclonal Antibody [S101] Datasheet

Catalogue No	MO-C40021D
Product name	Mouse anti-human MCP-1 (MCAF) monoclonal antibody [S101]
Clone No	S101
Product type	Primary antibodies
Description	Mouse monoclonal antibody to human Monocyte Chemotactic Protein-1 (MCP-1)/Monocyte Chemotactic Activating Factor (MCAF), Protein G affinity purified
Target protein	Human MCP-1
Immunogen	Purified recombinant human MCP-1
Specificity	This MAb reacts with natural and recombinant human MCP-1
Reactivity	Human and Rabbit. Others not tested
Cross-reactivity	Does not react with human interleukin-8 (IL-8) and other human cytokines tested such as interleukin-1 β (IL-1 β), serum amyloid A (SAA) and epidermal growth factor (EGF)
Clonality	Monoclonal
Source	Mouse
Myeloma	Sp2/0-Ag14
Subclass	IgG1
Light Chain	Kappa
Formulation	Lyophilized from a solution in 0.01M PBS, pH 7.2
Reconstitution	Double distilled water is recommended to adjust the final concentration to 1.00 mg/ml
Applications	ELISA: React with human MCP-1. Matched pair antibodies are available. Neutralizing: 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 at blocking MCP-1 activity at a concentration of 0.5 μ g/mL. It was also found that S-14 could inhibit the function of native MCP-1 at concentrations similar to inhibitory doses for recombinant MCP-1 Western Blot: Concentration of 0.1-1.0 μ g/mL will allow visualization of 0.1 μ g/lane of human MCP-1. Concentration of 5.0 μ g/mL will allow visualization of 50 μ g/lane of rabbit MCP-1.
Research	Immunology, cytokine, and chemotaxis
Storage	Store at -20 $^{\circ}$ C
References	Randolph, G. J. and Furie, M. B. <u>A soluble gradient of endogenous monocyte chemoattractant protein-1 promotes the transendothelial migration of monocytes in vitro.</u> <i>J. Immunol.</i> 1995 155 :3610-3618.

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