



Mouse Anti-Human MCP-1 Monoclonal Antibody Datasheet

Product Name: mAb anti-Human MCP-1

Clone No.: S8

Catalogue No.: MO-C40021A

Quantity: 0.5 mg/vial

Description: Mouse monoclonal antibody to human Monocyte Chemotactic Protein-1 (MCP-1)/ Monocyte Chemotactic and Activating Factor (MCAF)

Purification: Protein G affinity purified

Target Protein: Human MCP-1

Immunogen: Purified recombinant human MCP-1

Fusion Myeloma: Sp2/0-Ag14

Specificity: This antibody reacts with natural and recombinant human MCP-1.

Species Reactivity: Human, others not tested

Cross-reactivity: This antibody 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).

Host / Isotype: Mouse, IgG1 Kappa

Formulation: Lyophilized from a solution in 0.01M KH₂PO₄-K₂HPO₄ buffer, pH 7.2

Reconstitution: Double distilled water is recommended to adjust the final concentration to 1.00mg/mL.

Storage: Store at -20°C

Research Area: Cytokine, chemotaxis, inflammation

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 displayed 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, autoimmune diseases, renal diseases, chronic infection and granuloma formation.

Applications: **Western Blot:** React with human MCP-1

ELISA: React with human MCP-1

Neutralizing: The antibody neutralized 1nM recombinant human MCP-1 induced monocyte chemotaxis in blind well chemotaxis chambers.

References: If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.

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