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Mouse Anti-Human MCP-3 Monoclonal Antibody Datasheet

Product Name: mAb anti-human MCP-3

Clone No.: 542

Catalogue No.: MO-C40088G

Quantity: 0.5 mg/vial

Description: Mouse monoclonal antibody to human macrophage/monocyte chemotactic protein-3 (MCP-3)

Purification: Protein G affinity purified

Product Type: Primary antibody, Matched Antibody Pair-**Capture** Antibody

Target Protein: Human MCP-3

Immunogen: Recombinant human MCP-3 (M.W. 8.5 kDa containing 76 amino acids residues)

Fusion Myeloma: Sp2/0-Ag14

Specificity: Reactive with natural and recombinant human MCP-3

Species Reactivity: Human, others not tested

Cross- Reactivity: Does not show any cross reaction with other human cytokines or growth factors tested such as IL-1 β , IL-8, MCAF, SAA and EGF.

Host / Isotype: Mouse, IgG2a 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 1.00mg/mL.

Storage: Store at -20°C

Research Area: Cytokine, chemotaxis

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.

Applications **ELISA:** This antibody can be used as a capture antibody in sandwich ELISA applications for human MCP-3 detection in combination with a monoclonal tracer/detection antibody (HRP-conjugated, Cat. No.: MO-C40088T or Biotin-conjugated, Cat. No.: MO-C40088TB). Suggested Capture Coating Dose: 3 μ g/well; Substrate: TMB.

Western Blot: This antibody concentration of 0.5-2 μ g/mL will allow visualization of 0.1 μ g/lane of human MCP-3.

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.

This product is for **LABORATORY RESEARCH USE** and further manufacture **ONLY**, and cannot be administrated to human and animals for use in diagnostic and therapeutic procedures.

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