



HRP Conjugated Mouse Anti-Human MCP-3 Monoclonal Antibody Datasheet

Product Name: HRP conjugated mAb anti-human MCP-3

Clone No.: 113

Catalogue No.: MO-C40088T

Quantity: 0.2 mL/vial

Description: Horseradish peroxidase (HRP) conjugated mouse monoclonal antibody to human macrophage/monocyte chemotactic protein-3 (MCP-3)

Purification: Protein G affinity purified

Product Type: **Tracer** antibody in matched antibody pair, HRP conjugated.

Target Protein: Human MCP-3

Immunogen: Recombinant human MCP-3 (M.W. 8.5kDa 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, IgG1 Kappa

Storage Buffer Formulation: Mixture of 50% glycerol and 50% PH7.2 0.01M PBS. Final PH = 7.0 \pm 0.1.

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:** In combination with capture antibody clone 542 (MO-C40088G), this HRP conjugated antibody can be used as tracer antibody for human MCP-3 detection in sandwich ELISA.

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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