

Purified anti-human MCP-1

Catalog # / Size: 3113010 / 500 µg
3113005 / 50 µg

Clone: 5D3-F7

Isotype: Mouse IgG1, κ

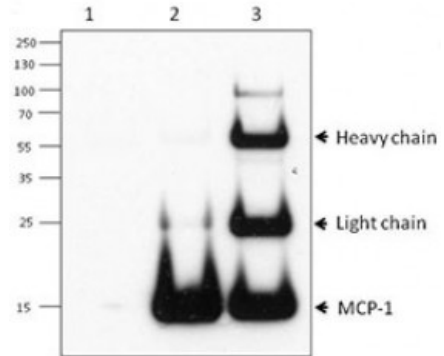
Immunogen: Recombinant human MCP-1

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5



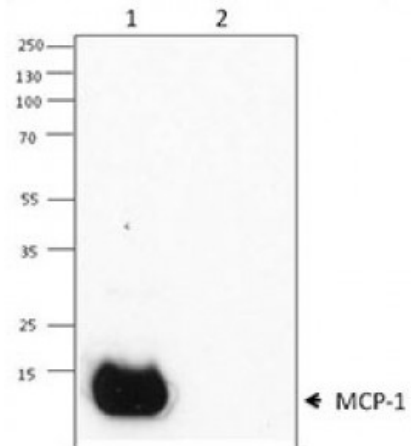
Immunoprecipitation/Western blot analysis of capturing ability of MCP-1 antibody for 200ng/ml MCP-1 recombinant protein. Lane 1 was immunoprecipitated with Armenian hamster IgG isotype control antibody and lane 2 was immunoprecipitated with MCP-1 antibody

Applications:

Applications: Other

Recommended Usage: Recommended Usage: Each lot of this antibody is quality control tested by ELISA assay. For ELISA capture applications, a concentration range of 2-8 microg/ml is recommended. To obtain a linear standard curve, serial dilutions of MCP-1 recombinant protein ranging from 2000 to 31.3 pg/ml are recommended for each ELISA plate. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: **ELISA or ELISPOT Detection1:** The biotinylated 5D3-F7 antibody is useful as the detection antibody in a sandwich ELISA or ELISPOT assay, when used in conjunction with the purified 2H5 antibody (Cat. No. 505902/505906) as the capture antibody.
ELISA or ELISPOT Capture: The purified 5D3-F7 antibody is useful as the capture antibody in a sandwich ELISA or ELISPOT assay, when used in conjunction with the biotinylated 2H5 antibody (Cat. No. 505908) as the detection antibody. The LEAF™ purified antibody (Cat. No. 502607) is suggested for ELISPOT capture.



Western blot analysis of recombinant human MCP-1 (lane 1), and recombinant mouse MCP-1 (lane 2) using anti-MCP-1 antibody (5D7-F7).

**Additional reported applications
(for the relevant formats) include:**

intracellular flow cytometry²,
immunoprecipitation^{1,3}, Western
blotting¹, and immunohistochemical
staining¹.

- Application** 1. Peri, G., *et al.* 1994. *J. Immunol. Meth.* 174:249. (IP, IHC, WB)
References: 2. Rezaie-Majd, A., *et al.* 2002. *Arterioscler Thromb Vasc Biol.* 22:1194. (ICFC)
3. Hirsch, A., *et al.* 1999. *J. Virol.* 73:404. (IP)
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Description: Monocyte chemotactic protein-1 (MCP-1) also known as monocyte chemotactic and activating factor (MCAF) was identified based on its ability to chemoattract monocytes. Subsequently, MCP-1 has also been found to regulate adhesion molecule expression and cytokine production in monocytes. MCP-1 is identical to the product of the JE gene, a PDGF inducible gene. MCP-1 is a member of the β (C-C) chemokine subfamily, known as CCL2. The 5D3-F7 antibody reacts with human monocyte chemoattractant protein-1 (MCP-1).

- Antigen** 1. Fitzgerald K, *et al.* Eds. 2001. The Cytokine FactsBook. Academic Press, San
References: Diego.
2. Bischoff S, *et al.* 1992. *J. Exp. Med.* 175:1271.
3. Charo I, *et al.* 1994. *P. Natl. Acad. Sci. USA* 91:2752.