

**MONOCLONAL ANTIBODY TO HUMAN
MONOCYTE CHEMOTACTIC PROTEIN-1 (MCP-1 or MCAF)
Clone MNA1**



Catalog nr	HM2011 (lot number and expiry date are indicated on the label)
Description	The antibody reacts with both human natural and recombinant MCP-1 in ELISA. MCP-1 is a member of the CC subfamily of chemokines. MCP-1 is a pro-inflammatory cytokine which acts both as an activation factor and as chemokine for monocytic cells. The antibody inhibits the biological activity of natural and recombinant human MCP-1. The antigen specificity was assessed by ELISA. The antigen specificity was further assessed by immunoprecipitation and Western blotting. No cross reactivities with other cytokines have been detected.
Species	Mouse IgG ₁
Formulation	1 ml (100 µg/ml) 0.2 µm filtered antibody solution in PBS, containing 0.02% sodium azide and 0.1% bovine serum albumin.
Application	The antibody is useful for immuno assays, immuno precipitation, Western blotting and neutralization of human MCP-1 in bio-assays. Furthermore the antibody can be used to stain cells containing MCP-1 in frozen sections as well as in cell cultured on cover slips.
Use	For immunohistology and Western blotting dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:10. For neutralization of biological activity dilutions have to be made according to the amounts of MCP-1 to be inactivated. Before use in biological assays, the product must be filter sterilized and depending on the concentration to be used dialyzed against culture medium to remove the sodium azide added. Please inquire for availability of azide free solutions.
Storage and stability	Product should be stored at 4°C. Under recommended storage conditions, product is stable for one year.
Precautions	For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and Federal rules in the use of this product. Hbt is not responsible for any patent infringements that might result with the use of or derivation of this product.
Also available	HP9009 Polyclonal antibody against Human MCP-1