



MCP-1

Human, Recombinant, *E. coli*

Cat. No.: RCP9093

Size: 10µg

Synonym: Monocyte chemotactic protein 1; Chemokine (C-C motif) ligand 2 (CCL2); Monocyte chemoattractant protein-1; Monocyte chemotactic and activating factor (MCAF); Monocyte secretory protein JE; small inducible cytokine A2; Small inducible cytokine subfamily A member 2; HC11; SCYA2; SMC-CF; GDCF-2; MGC9434.

Description: MCP-1 is a member of the CC subgroup of the chemokine superfamily. It is produced by a variety of cell types including monocytes, lymphocytes, endothelial cells and fibroblasts after stimulation by any inflammatory mediator. MCP-1 acts as a potent chemoattractant and is thought to play an important role in the inflammatory response of blood monocytes, tissue macrophages and natural killer cells. Its expression has been documented in disorders characterized by mononuclear cell infiltrates, suggesting that it may contribute to the inflammatory component of diseases such as atherosclerosis, multiple sclerosis, or rheumatoid arthritis.

RANDOX recombinant MCP-1 comprises a 76 amino acid fragment (24-99) corresponding to the mature MCP-1 protein and is expressed in *E. coli* with an amino-terminal hexahistidine tag. This product is for research use only and is not intended for diagnostic or therapeutic use.

Form: Liquid.
Supplied in 1x Laemmli Buffer (25mM Tris-HCl pH6.8, 50mM DTT, 1% (w/v) SDS, 0.1% (w/v) Bromophenol Blue, 2.5% Glycerol).

Purity: Single band on Western blot.

References: Gu, L. *et al.*, 1997 *J Leukoc. Biol.* **62 (5)** : 557-580.