**MCP-1 (ECE.2): sc-52701**

**BACKGROUND**
Eotaxin and the monocyte chemotactic proteins, MCP-1–5, form a subfamily of the C-C (or β) chemokines, which are characterized by a set of conserved adjacent cysteines. MCPs are produced by a variety of cells, including T lymphocytes, subsequent to their activation with cytokines such as IL-1, TNFα and IFN-γ. *In vitro* studies have shown that the MCP isoforms exhibit their chemotactic effects on different subpopulations of lymphocytes. MCP-1 is a potent basophil activator but does not affect eosinophils. MCP-1 levels are increased during infection and inflammation, which are both characterized by leucocyte infiltration. Two MCP-1 receptors, which differ in their carboxy-termini, have been identified.

**REFERENCES**

**CHROMOSOMAL LOCATION**
Genetic locus: Ccl2 (mouse) mapping to 11 B5.

**SOURCE**
MCP-1 (ECE.2) is a rat monoclonal antibody raised against MCP-1 of mouse origin.

**PRODUCT**
Each vial contains 100 µg IgG1 in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

**APPLICATIONS**
MCP-1 (ECE.2) is recommended for detection of murine MCP-1 of mouse origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation (1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)) and immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500).

Suitable for use as control antibody for MCP-1 siRNA (m): sc-43914, MCP-1 shRNA Plasmid (m): sc-43914-SH and MCP-1 shRNA (m) Lentiviral Particles: sc-43914-V.

Molecular Weight of MCP-1: 12 kDa.

**STORAGE**
Store at 4°C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**DATA**

![Western blot analysis of mouse recombinant MCP-1](image)

**SELECT PRODUCT CITATIONS**

**RESEARCH USE**
For research use only, not for use in diagnostic procedures.