

**MCP-1/CCL2, Rat**  
**Catalog # PVGS1271****Specification**

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**MCP-1/CCL2, Rat - Product Information**Primary Accession [P14844](#)**Sequence**Gln<sup>24</sup>-Asn<sup>148</sup>**Purity**

&gt; 95% as analyzed by SDS-PAGE and HPLC.

**Endotoxin Level**

&lt; 0.2 EU/ µg, determined by LAL method.

**MCP-1/CCL2, Rat - Additional Information****Gene ID** 24770**Other Names**

C-C motif chemokine 2, Immediate-early serum-responsive protein JE, Monocyte chemoattractant protein 1, Monocyte chemotactic protein 1, MCP-1, Small-inducible cytokine A2, Ccl2, Je, Mcp1, Scya2

**Target Background**

MCP-1/CCL2, Rat

**MCP-1/CCL2, Rat - Protein Information****Name** Ccl2**Synonyms** Je, Mcp1, Scya2**Function**

Acts as a ligand for C-C chemokine receptor CCR2 (By similarity). Signals through binding and activation of CCR2 and induces a strong chemotactic response and mobilization of intracellular calcium ions (By similarity). Exhibits a chemotactic activity for monocytes and basophils but not neutrophils or eosinophils (By similarity). Plays an important role in mediating peripheral nerve injury-induced neuropathic pain (By similarity). Increases NMDA-mediated synaptic transmission in both dopamine D1 and D2 receptor-containing neurons, which may be caused by MAPK/ERK-dependent phosphorylation of GRIN2B/NMDAR2B (By similarity).

**Cellular Location**

Secreted.

**MCP-1/CCL2, Rat - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**MCP-1/CCL2, Rat - Images**