

MCP-1/CCL2, Rat

Catalog # PVGS1271

Product Information

**Primary Accession
Sequence**

[P14844](#)
Gln²⁴-Asn¹⁴⁸

Purity

> 95% as analyzed by SDS-PAGE and HPLC.

Endotoxin Level

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

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.

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