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# MCP-1/CCL2, Rat

Catalog # PVGS1271

## Product Information

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|---|---|
| **Primary Accession** | P14844 |
| **Sequence** | $Gln^{24}$-$Asn^{148}$ |
| **Purity** | > 95% as analyzed by SDS-PAGE and HPLC. |
| **Endotoxin Level** | |

## Additional Information

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|---|---|
| **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

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|---|---|
| **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. |

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.