



[Go to Product page](#)

Datasheet for ABIN2018224  
**CCL2 Protein (AA 24-148)**

### Overview

Quantity:	25 µg
Target:	CCL2
Protein Characteristics:	AA 24-148
Origin:	Rat
Source:	HEK-293T Cells
Protein Type:	Recombinant
Biological Activity:	Active

### Product Details

Characteristics:	The EC50 value of rat MCP-1/CCL2 on Ca <sup>2+</sup> mobilization assay in CHO-K1/G alpha 15/rCCR2 cells (human G alpha 15 and rat CCR2 stably expressed in CHO-K1 cells) is less than 0.3 µg/mL.
Purity:	> 98 % as analyzed by SDS-PAGE.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

### Target Details

Target:	CCL2
Alternative Name:	MCP-1/CCL2 ( <a href="#">CCL2 Products</a> )
Background:	Chemokine (C-C motif) ligand 2 (CCL2) is also referred to as monocyte chemotactic protein 1 (MCP1) and small inducible cytokine A2. CCL2 is a small cytokine that belongs to the CC chemokine family. CCL2 recruits monocytes, memory T cells, and dendritic cells to the sites of

## Target Details

---

inflammation produced by either tissue injury or infection. CCL2 is implicated in the pathogenesis of several diseases characterized by monocytic infiltrates, such as psoriasis, rheumatoid arthritis and atherosclerosis. CCL2 is anchored in the plasma membrane of endothelial cells by glycosaminoglycan side chains of proteoglycans. CCL2 is primarily secreted by monocytes, macrophages and dendritic cells. CCL2 can signal through the CCR2 receptor. Recombinant rat MCP-1/CCL2 produced in HEK293 cells is a polypeptide chain containing 125 amino acids. A fully biologically active molecule, rrMCP-1/CCL2 has a molecular mass of 10-15 kDa analyzed by reducing SDS-PAGE.

Synonyms: MCP-1, MCAF, JE, Monocyte Chemoattractant Protein-1 (MCP-1), CCL2

---

Molecular Weight: 10-15 kDa, observed by reducing SDS-PAGE.

---

UniProt: [P14844](#)

---

Pathways: [Cellular Response to Molecule of Bacterial Origin](#), [Positive Regulation of Immune Effector Process](#), [ER-Nucleus Signaling](#), [Unfolded Protein Response](#), [The Global Phosphorylation Landscape of SARS-CoV-2 Infection](#)

## Application Details

---

Restrictions: For Research Use only

## Handling

---

Format: Lyophilized

---

Reconstitution: Reconstituted in ddH<sub>2</sub>O or PBS at 100 µg/mL.

---

Buffer: Lyophilized after extensive dialysis against PBS.

---

Storage: -80 °C

---

Storage Comment: Lyophilized recombinant Rat MCP-1/CCL2 remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, Rat MCP-1/CCL2 should be stable up to 1 week at 4 °C or up to 3 months at -20 °C.

---

Expiry Date: 6 months