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Ccl2
Recombinant Mouse CCL2 / MCP-1 (His Tag)

Catalog No.	CRM599A-His	**Quantity:**	20 µg
	CRM599B-His		50 µg
	CRM599C-His		1.0 mg

Alternate Names: C-C motif chemokine 2, Monocyte chemoattractant protein 1, Monocyte chemotactic protein 1, MCP-1, Platelet-derived growth factor-inducible protein JE, Small-inducible cytokine A2

Description: Monocyte chemoattractant protein 1 (MCP-1), also called CCL2, belongs to a group of CC chemokines located in chromosome 17q11.2. MCP-1 protein interacts with chemokine C-C motif receptor 2 (CCR2) to activate and recruit monocytes, macrophages, CD4+ T cells and immature dendritic cells to the site of infection [7–9]. The presence of MCP-1 protein in an adequate concentration is important for granuloma formation and M. tuberculosis clearance.

UniProt ID: P10148

Accession Number: NP_035463.1

Protein Construction: A DNA sequence encoding the mouse CCL2 (Met1-Asn148) was expressed with a C-terminal polyhistidine tag.

Source: Baculovirus-Insect Cells

Formulation: Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10% glycerol, pH 7.4.
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

Molecular Weight: The rmCCL2 consists of 135 amino acids with a predicted MW of 15.2 kDa and migrates at ~27 kDa in SDS-PAGE under reducing conditions.

Purity: > 80 % as determined by SDS-PAGE.

Endotoxin Level: < 1.0 EU per µg of the protein as determined by the LAL method

Biological Activity: Testing in progress

Predicted N-terminal: Gln 24

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial.
DO NOT VORTEX. Allow several minutes for complete reconstitution.

Storage & Stability: Stable for up to 1 year from date of receipt at -20°C to -80°C
After reconstitution, store working aliquots at -20°C to -80°C.
Avoid repeated freeze-thaw cycles.

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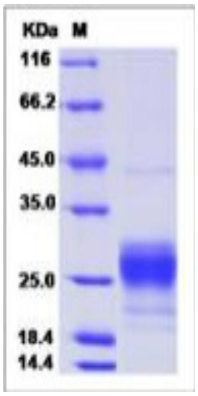
SDS-PAGE



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