

Recombinant Cynomolgus Monkey CCL2 Protein

Cat. No. CCL2-01C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Cynomolgus Monkey CCL2 (MCP-1) was produced in yeast and therefore does not have endotoxin, is naturally folded, and post-translationally modified.
Species	Cynomolgus
Source	Yeast
Description	Chemokine (C-C motif) ligand 2 (CCL2), also known as monocyte chemotactic protein-1 (MCP-1), is a small cytokine belonging to the CC chemokine family. There are at least 27 distinct members of the C-C subgroup reported for mammals. They are characterized by two adjacent cysteines. CCL2 (MCP-1) recruits monocytes, memory T cells, and dendritic cells to sites of tissue injury and infection. CCL2 (MCP-1) is implicated in pathogenesises of several diseases characterized by monocytic infiltrates, such as psoriasis, rheumatoid arthritis and atherosclerosis.
Form	Lyophilized without carrier protein.
Molecular Mass	8.7 kDa
AA Sequence	QPDAINAPVTCCYNFTNRKISVQRLASYRRITSSKCPKEAVIFKTIVAKEICADPKQKW VQDSMDHLDKQIQTPKP
Unit Definition	>95% as visualized by SDS-PAGE analysis.
Applications	The Cynomolgus Monkey CCL2 (MCP-1) endotoxin-free recombinant protein can be

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used in cell culture, as an ELISA Standard, and as a Western Blot Control.

Storage

Stable for up to twelve months from date of receipt at -20 centigrade. Stable for at least 3 months when stored in working aliquots with a carrier protein at -20 centigrade. Avoid repeated freeze/thaw cycles.

Reconstitution

Reconstitute with sterile phosphate-buffered saline containing at least 0.1% carrier protein.

GENE INFORMATION

Gene Name

CCL2 C-C motif chemokine ligand 2 [*Macaca fascicularis* (crab-eating macaque)]

Official Symbol

CCL2

Synonyms

CCL2; C-C motif chemokine ligand 2; MCP1; MCP-1; SCYA2; C-C motif chemokine 2; Monocyte chemoattractant protein 1; Monocyte chemotactic protein 1; Small-inducible cytokine A2; monocyte chemoattractant protein-1

Gene ID

102135739

mRNA Refseq

NM_001284872

Protein Refseq

NP_001271801

MIM

P61274

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