

Biotinylated Human MCP-1/CCL2 Protein

Cat. No. MCP-HM401B

Description

Source	Recombinant Biotinylated Human MCP-1/CCL2 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Gln24-Thr99.
Accession	P13500
Molecular Weight	The protein has a predicted MW of 11.5 kDa. Due to glycosylation, the protein migrates to 15-20 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

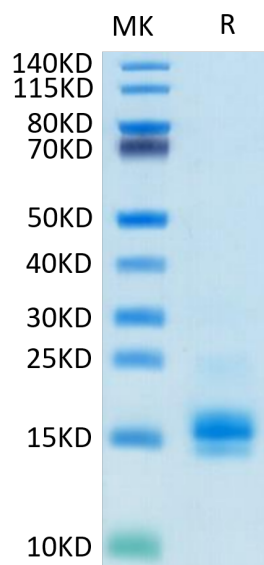
Formulation	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Monocyte chemotactic protein-1 (MCP-1) (also referred to as chemokine (C-C motif) ligand 2 (CCL2)) is expressed by mainly inflammatory cells and endothelial cells. MCP-1 has been reported to play an important role in the pathogenesis of atherosclerosis and considerable evidence supports that the monocyte containing MCPs and macrophage influences the growth of other cell types within the atherosclerotic lesion. This review will focus on the general structure features of MCP-1 and its role in atherosclerosis.

Assay Data

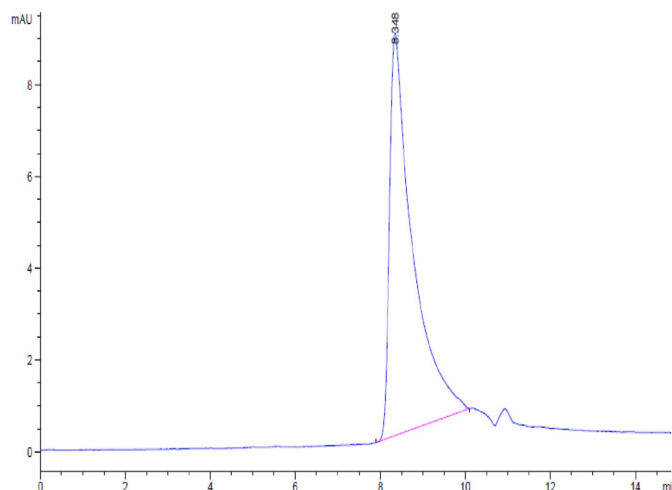
Bis-Tris PAGE



Biotinylated Human MCP-1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of Biotinylated Human MCP-1 is greater than 95% as determined by SEC-HPLC.