

Datasheet for ABIN7275241

CCL2 Protein (His-Avi Tag,Biotin)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CCL2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CCL2 protein is labelled with His-Avi Tag,Biotin.

Product Details

Sequence:	Gln24-Thr99
Purity:	> 95% as determined by Tris-Bis PAGE,> 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	CCL2
Alternative Name:	MCP-1 (CCL2 Products)
Background:	C-C motif chemokine 2, CCL2, HC11, MCAF, MCP-1, HSMCR30, MCP1, SCYA2, SMC-CF, GDCF-2, 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

Target Details

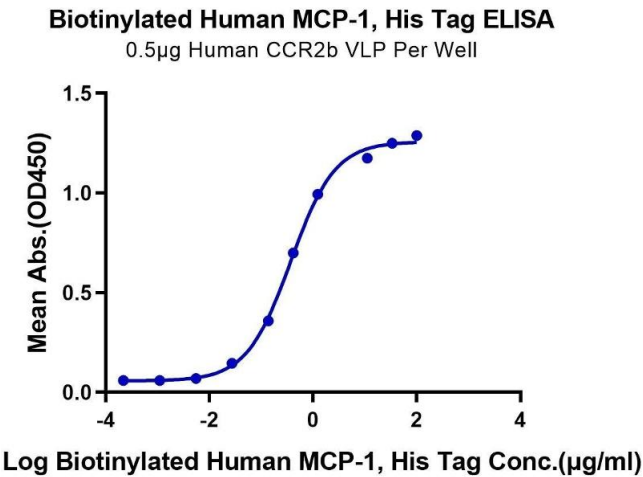
	of other cell types within the atherosclerotic lesion. This review will focus on the general structure features of MCP-1 and its role in atherosclerosis.
Molecular Weight:	11.5 kDa. Due to glycosylation, the protein migrates to 15-20 kDa based on Tris-Bis PAGE result.
UniProt:	P13500
Pathways:	Cellular 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
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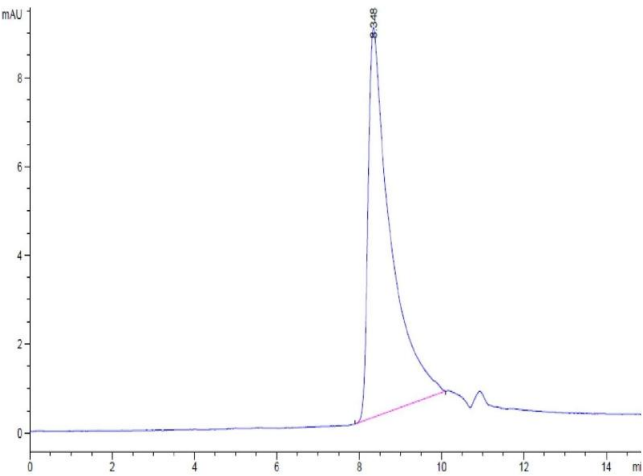
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	4 °C,-80 °C
Storage Comment:	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Expiry Date:	12 months



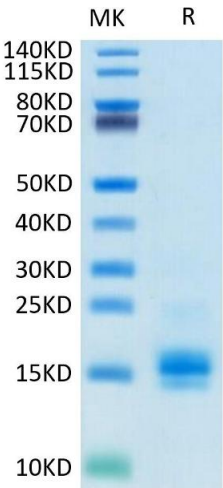
ELISA

Image 1. Immobilized Human CCR2b VLP at 5 µg/mL (100 µL/Well) on the plate. Dose response curve for Biotinylated Human MCP-1, His Tag with the EC50 of 0.37 µg/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Biotinylated Human MCP-1 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Biotinylated Human MCP-1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .