

Recombinant Human CCL2/MCP-1 Protein

RPCB1425

Description

This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Protein Information

SKU: RPCB1425

Calculated MW: 8.69 kDa

Contents: 10 µg, 20 µg, 50 µg, 100 µg
Bradford Reagent (1 vial, 2ml)

Observed MW: 13-14 kDa

Reactivity: Human

Protein Description: High quality, high purity and low endotoxin recombinant Recombinant Human CCL2/MCP-1 Protein (RPCB1425), tested reactivity in E. coli and has been validated in SDS-PAGE. 100% guaranteed.

Gene ID: 6347

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol.

Expression Host: E. coli

Storage: Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Tags: No tag

Background: 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. The presence of MCP-1 protein in an adequate concentration is important for granuloma formation and M. tuberculosis clearance.

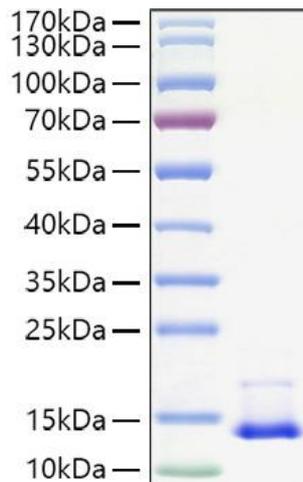
Synonyms: CCL2, GDCF-2, HC11, HSMCR30, MCAF, MCP-1, MCP1, SCYA2, SMC-CF

Purification: $\geq 90\%$ as determined by SDS-PAGE.

Endotoxin: < 1 EU/ μ g of the protein by LAL method.

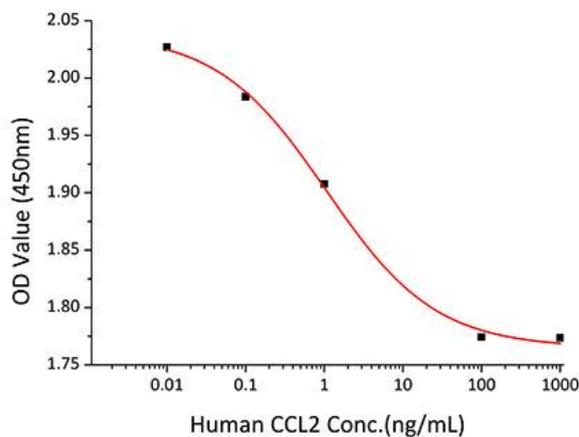
Validation Data

Image



Description

Recombinant Human CCL2/MCP-1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Recombinant Human CCL2 inhibit the proliferation of HUVEC(Human Umbilical Vein Endothelial Cells).The ED50 for this effect is 0.53-2.12 ng/mL.