

CCL2 active protein

Recombinant Human CCL2

CATALOG #
AAA214242

HOST
E Coli

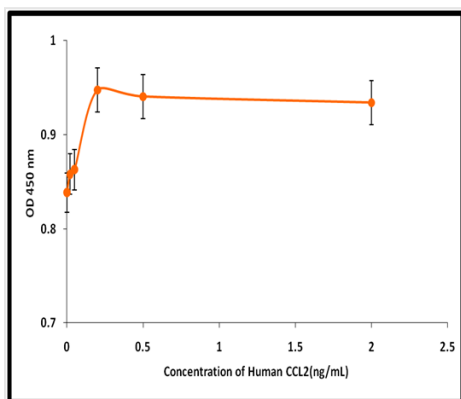
PRODUCT SYNONYMS

CCL2; Recombinant Human CCL2; Monocyte Chemotactic Protein-1; MCP-1; MCAF; C-C motif chemokine 2; HC11; Monocyte chemotactic and activating factor; Monocyte secretory protein JE; Small-inducible cytokine A2; MCP1; SCYA2; Recombinant Human Monocyte Chemoattractant Protein-1 (CCL2); CCL2 active protein

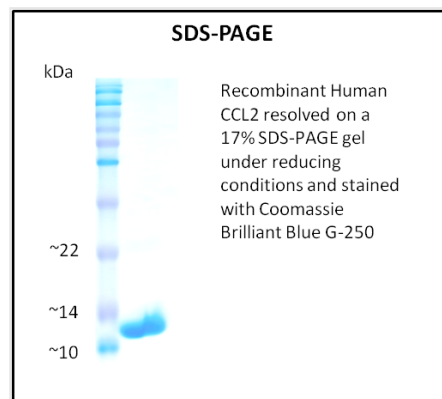
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from PBS pH 7.4.
Sequence Length	99
Bioactivity	The ED(50) was determined by the dose-dependent proliferation of PC3 cells and was found to be <0.2ng/mL.
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method.
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	This can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for CCL2 active protein	MCP-1 belongs to the family of chemotactic cytokines. MCP-1 is expressed by monocytes, vascular endothelial cells, smooth muscle cells, glomerular mesangial cell, and osteoblastic cells. MCP-1 has been shown to exhibit biological activities other than chemotaxis. It can induce the proliferation and activation of killer cells known as CHAK. Elevated levels of MCP-1 are observed in atherosclerotic plaques that are rich in macrophages. The factor activates the tumoricidal activity of monocytes and macrophages in vivo. It regulates the expression of cell surface antigens (CD11c, CD11b) and the expression of cytokines (IL-1, IL-6). MCP-1 is a potent activator of human basophils, inducing degranulation and the release of histamines. In basophils activated by IL-3, IL-5 or GM-CSF MCP-1 enhances the synthesis of leukotriene C4.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	545465
NCBI GeneID	6347
UniProt Accession #	P13500
Molecular Weight	9.0 kDa
NCBI Official Full Name	MCP-1
NCBI Official Synonym Full Names	C-C motif chemokine ligand 2
NCBI Official Symbol	CCL2
NCBI Official Synonym Symbols	HC11; MCAF; MCP1; MCP-1; SCYA2; GDCF-2; SMC-CF; HSMCR30
NCBI Protein Information	C-C motif chemokine 2
UniProt Protein Name	C-C motif chemokine 2
UniProt Gene Name	CCL2
UniProt Synonym Gene Names	MCP1; SCYA2; MCAF; MCP-1
UniProt Entry Name	CCL2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/ccl2/214242>