

MCP-4 (CCL13) Active Protein | MCP-4 active protein

Recombinant Human MCP-4 (CCL13)

CATALOG #
AAA214244

HOST
E Coli

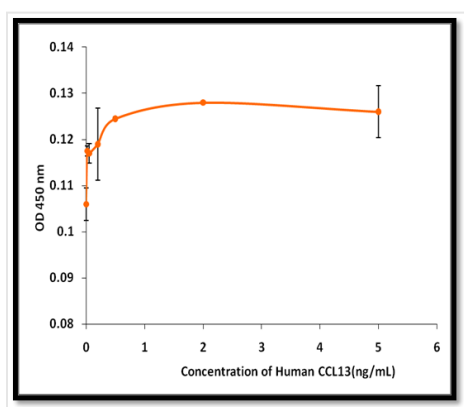
PRODUCT SYNONYMS

MCP-4 (CCL13); Recombinant Human MCP-4 (CCL13); Monocyte chemotactic protein 4; CCL13; NCC-1; C-C motif chemokine 13; Small-inducible cytokine A13; MCP4; NCC1; SCYA13; Recombinant Human Monocyte Chemoattractant Protein-4 (CCL13); MCP-4 active protein

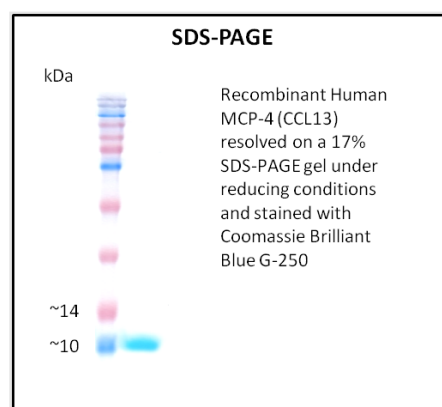
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from a 0.2 um filtered solution in PB, 100mM NaCl, pH 7.5
Sequence Length	98
Bioactivity	Determined by its ability to chemoattract human monocytes using a concentration range of 20-40 ng/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	The lyophilized protein is stable for at least one year from date of receipt at -70 degree C. Upon reconstitution, this cytokine 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 MCP-4 active protein	Monocyte Chemoattractant Proteins 4 (MCP-4/CCL13) is member of a distinct, structurally-related subclass of CC chemokines. MCP-4/CCL13 is a major chemoattractants for eosinophils, basophils, monocytes, and T lymphocytes. The MCP protein family bind to specific G-protein-coupled receptors, initiating a signal cascade within the cell. Expression of MCP-4/CCL13 mRNA and protein is greater in the sputum, epithelium, submucosal inflammatory cells, and bronchoalveolar lavage fluid of asthmatics than in healthy individuals. Involvement of MCPs has also been demonstrated in renal inflammation and atopic dermatitis. The expression of this protein is also correlated with enhanced inflammatory immune responses during immunotherapy. The recombinant construct corresponds to the "short-chain" of CCL13 spanning amino acids 24-98.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	3024128
NCBI GeneID	6357
UniProt Accession #	Q99616
Molecular Weight	9.0 kDa
NCBI Official Full Name	C-C motif chemokine 13
NCBI Official Synonym Full Names	C-C motif chemokine ligand 13
NCBI Official Symbol	CCL13
NCBI Official Synonym Symbols	NCC1; CKb10; MCP-4; NCC-1; SCYL1; SCYA13
NCBI Protein Information	C-C motif chemokine 13
UniProt Protein Name	C-C motif chemokine 13
UniProt Gene Name	CCL13
UniProt Synonym Gene Names	MCP4; NCC1; SCYA13; MCP-4
UniProt Entry Name	CCL13_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/mcp-4-ccl13/214244>