

CCL8

Recombinant Human Chemokine (C-C motif) Ligand 8/Monocyte Chemoattractant Protein 2

Catalog No.	CRM001A	Quantity:	2 µg
	CRM001B		10 µg
	CRM001C		1.0 mg

Alternate Names: HC14, MCP-2, MCP2, SCYA10, SCYA8, monocyte chemoattractant protein 2, monocyte chemotactic protein 2, small inducible cytokine A8, small inducible cytokine subfamily A (Cys-Cys), member 8 (monocyte chemotactic protein 2)

Description: Recombinant Human MCP-2/CCL8 is a single non-glycosylated polypeptide chain containing 76 amino acids.
 Background: MCP-2 and MCP-3 are two monocyte chemotactic proteins produced by human MG-63 osteosarcoma cells. Both MCP-2 and MCP-3 are members of the CC family of chemokines and share 62% and 71% amino acid sequence identity, respectively, with MCP-1. MCP-3 also shares 58% amino acid identity with MCP-2. Similarly to other CC chemokines, all three MCP proteins are monocyte chemoattractants. In addition, the three MCPs can chemoattract activated NK cells as well as CD4+ and CD8+ T lymphocytes. All three cytokines have also been shown to attract eosinophils and induce histamine secretion from basophils.

Gene ID: 6355

Protein Accession No: NP_005614

Source: *E. coli*

Molecular Weight: 8.9 kDa

Formulation: Lyophilized from a sterile filtered solution in 20 mM PB, pH 7.4, 100 mM NaCl.

Purity: > 96% as determined by SDS-PAGE and HPLC analyses

Endotoxin Level: Less than 1EU/µg of rHuMCP-2/CCL8 as determined by LAL method.

Biological Activity: Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human peripheral blood monocytes is in a concentration range of 10-100 ng/ml.

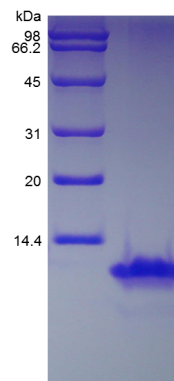
Amino Acid Sequence: QPDSVSIPIT CCFNVINRKI PIQRLESYTR ITNIQCPKEA VIFKTKRGKE VCADPKERWV RDSMKHLDQI FQNLKP

Reconstitution: **Centrifuge vial prior to opening.** Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

Storage & Stability: Stable at 2-8°C, but best kept desiccated -20°C. Upon reconstitution, stable for up to 1 week at 2-8°C. For longer term, store in working aliquots below -20°C. **Avoid repeated freeze/thaw cycles.**



SDS-PAGE



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Cell Sciences[®]
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com