

HB241024

Recombinant Human Monocyte Chemotactic Protein-2/CCL8 (Human MCP-2/CCL8)

Product Information

Product Name	Cat#	Size
Recombinant Human Monocyte Chemotactic Protein-2/CCL8 (Human MCP-2/CCL8)	90956ES06	2 µg
	90956ES10	10 µg
	90956ES60	100 µg
	90956ES76	500 µg

Product Description

CCL8, also known as monocyte chemotactic protein 2 (MCP-2), is belonging to the CC chemokine family. It is encoded by the gene CCL8. MCP-2 has two homogeneous MCP-1 (CCL2) and MCP-3 (CCL7). These three MCPs were found by IL-1-beta triggered human MG-63 osteosarcoma cells. CCL8 shares 62 % amino acid sequence identity with MCP-1, and shares 58 % amino acid sequence identity with MCP-2. CCL8 has chemotactic function for monocytes, eosinophils and neutrophils. In addition, it can also chemoattract activated NK cells.

Product Properties

Synonyms	HC14 Protein, Human; MCP-2 Protein, Human; MCP2 Protein, Human; SCYA10 Protein, Human; SCYA8 Protein, Human
Accession	P80075
GeneID	6355
Source	E.coli-derived human Monocyte Chemotactic Protein-2, Gln24-Pro99
Molecular Weight	Approximately 8.9 kDa.
AA Sequence	QPDSVSIPIT CCFNVINRKI PIQRLESYTR ITNIQCPKEA VIFKTKRGKE VCADPKERWV RDSMKHLDQI FQNLKP
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	> 96 % by SDS-PAGE and HPLC analyses.
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.
Endotoxin	< 1.0 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4, 100 mM NaCl. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom.
Reconstitution	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.

Shipping and Storage

The products are shipped with ice pack and can be stored at -20°C to -80°C for 1 year.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

Cautions

1. Avoid repeated freeze-thaw cycles.
2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only.