

Product: Monocyte Chemotactic Protein-1 (CCL2), human, recombinant
Catalog #: 11-MCP-1H
Amount: 5 µg

DESCRIPTION: Recombinant Human MCP-1 also known as Monocyte Chemotactic and Activating Factor (MCAF) produced in E.Coli is a non-glycosylated, Polypeptide chain containing 76 amino acids and having a molecular mass of 8607 Dalton. The rHuMCP-1 is purified by proprietary chromatographic techniques.
The sequence of the first five N-terminal amino acids was determined and was found to be Gln-Pro-Asp-Ala-Ile.

SOURCE: *Escherichia coli* expression system

MOLECULAR WEIGHT: 8.6 kDa

PURITY: > 99.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Anion-exchange FPLC.
(c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.

ENDOTOXIN: Less than 0.1 ng/µg (IEU/µg) of MCP-1.

DIMERS & AGGREGATES: Less than 1% as determined by silver-stained SDS-PAGE gel analysis.

PROTEIN CONTENT: Protein quantitation was carried out by two independent methods:
1. UV spectroscopy at 280 nm.
2. RP-HPLC Analysis, using a standard solution of Lymphotactin as a Reference Standard.

FORM: Purified.

CONCENTRATION: 0.1 mg/ml

STORAGE: -20°C (aliquot), avoid freezing and thawing cycles

BIOLOGICAL ACTIVITY: MCP-1 is fully biologically active when compared to standard.
The specific activity as determined by the ability of MCP-1 to chemoattract human Monocytes using a concentration of 5-20 ng/ml.

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