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Recombinant Murine Monocyte Chemotactic Protein-1 (CCL2)

Alternate names: CCL2, MCP1

Catalog No.: PA1157

Quantity: 2 µg

Concentration: 1 mg/ml

Species: Mouse

Source: E. coli, E.coli

Format:
State: Sterile Filtered White lyophilized (freeze-dried) powder.
Purity: ›99% Greater than 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.
Buffer System: Murine JE(MCP-1) was lyophilized from a concentrated sterile solution containing no additives.
Endotoxin Level: Less than 0.1 ng/µg (IEU/µg) of Murine JE(MCP-1).
Dimers: Less than 1% as determined by silver-stained SDS-PAGE gel analysis.
Reconstitution: It is recommended to reconstitute the lyophilized Murine JE(MCP-1) in sterile 18MO-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Description:
Recombinant Murine JE(MCP-1) produced in E.Coli is a single,non-glycosylated, polypeptide chain containing 125 amino acids. Murine JE(MCP-1) is purified by proprietary chromatographic techniques.
AA Sequence:
`The sequence of the first five N-terminal amino acids was determined and was found to be Gln-Pro-Asp-Ala-Val.`
Biological Activity: Murine JE(MCP-1)is fully biologically active when compared to standard. The Biological activity is calculated by its ability to chemoattract Balb/C mouse spleen MNCs at 1.0-20.0 ng/ml.
Molecular weight: 13803 Dalton.
Molecular weight: 14 kDa

Add. Information:
Protein quantitation was carried out by two independent methods:
1. UV spectroscopy at 280 nm .
2. Analysis by RP-HPLC, using a calibrated solution of Murine JE(MCP-1) as a Reference Standard.

Storage: Lyophilized Murine JE(MCP-1) although stable at room temperature for 3 weeks, should be stored desiccated below -18 C. Upon reconstitution Murine JE(MCP-1) should be stored at 4 C between 2-7 days and for future use below -18 C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze-thaw cycles.

Pictures: PA1157ME0607