

## Recombinant Murine Monocyte Chemotactic Protein-1 (CCL2)

**Alternate names:** CCL2, MCP1

**Catalog No.:** PA1157X

**Quantity:** 10 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:**

PA1157XME0607

