

## 32-12228: Human Monocyte Chemotactic Protein-1 (CCL2)

**Gene :** CCL2

**Gene ID :** 6347

**Uniprot ID :** P13500

**Alternative Name :** C-C motif chemokine 2, Monocyte chemoattractant protein 1, Monocyte chemotactic and activating factor, Monocyte chemotactic protein 1, Monocyte secretory protein JE, Small-inducible cytokine A2

### Description

**Source:** Genetically modified E.coli.

**Predicted MW:** Monomer, 8.7 kDa (76 aa)

Monocyte chemotactic protein 1 (MCP-1), also known as CCL2, is produced by injured or infected tissues. MCP-1 signals through the CCR2 and CCR4 G protein-coupled receptors to recruit memory T cells, monocytes, and dendritic cells to sites of inflammation.

### Product Info

**Amount :** 20 µg / 100 µg

**Purification :** Reducing and Non-Reducing SDS PAGE at >= 95%

**Content :** Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)  
Sterile water at 0.1 mg/mL

**Storage condition :** Store at -20°C

**Amino Acid :** QPDAINAPVT CCYNFTNRKI SVQRLASYRR ITSSKCPKEA VIFKTIVAKE ICADPKQKWV QDSMDHLDKQ TQTPKT

### Application Note

**Endotoxin:** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

Biological Activity was determined by THP-1 chemotaxis at <=100 ng/mL . Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vial to compensate for this loss.



