

## 32-12248: Mouse Macrophage Inflammatory Protein-1 alpha (CCL3)

**Gene :** Ccl3  
**Gene ID :** 20302  
**Uniprot ID :** Q5QNW0  
**Alternative Name :** C-C motif chemokine

### Description

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

**Predicted MW:** Monomer, 7.9 kDa (69 aa)

Macrophage inflammatory protein-1 alpha (MIP-1 alpha), also known as CCL3, is a cytokine produced by macrophages. MIP-1 alpha binds the chemokine receptors CCR1, CCR4 and CCR5 to induce inflammatory responses, including the recruitment of granulocytes and neutrophil superoxide production. The MIP-1 alpha and MIP-1 beta heterodimer exhibits antiviral activity against the human immunodeficiency virus 1 (HIV-1).

### Product Info

**Amount :** 10 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 :** APYGADTPTA CCFYSYRKIP RQFIVDYFET SSLCSQPGVI FLTKRNRQIC ADSKETWVQE YITDLELNA

### 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.



