

Recombinant Mouse C-C Motif Chemokine 3/CCL3/MIP-1aProtein(N-6His)

Cat.NO.: TP06199

3th Edition

Synonyms:C-C motif chemokine 3;Heparin-binding chemotaxis protein; Macrophage inflammatory protein 1-alpha;MIP1-a; chemokine (C-C motif) ligand 3; LD78a; LD78 alpha; MIP-1 alpha;Scya3

Description:C-C Motif Chemokine 3 (MIP-1 alpha,CCL3) is a member of the beta or CC subfamily of chemokines and is closely related to CCL4/MIP-1 beta. CCL3 expression can be induced in a variety of hematopoietic cells, fibroblasts, smooth muscle cells, and epithelial cells. Mature mouse CCL3 shares 73%, 91%, and 82% amino acid sequence identity with human, rat, and cotton rat CCL3, respectively. CCL3 exerts its biological functions through interactions with CCR1, CCR3, and CCR5. It is cleared from the extracellular space by internalization via the decoy chemokine receptor D6. CCL3 promotes the chemoattraction, adhesion to activated vascular endothelium, and cellular activation of many hematopoietic cell types including activated T cells, NK cells, neutrophils, monocytes, immature dendritic cells, and eosinophils. CCL3 is also known as stem cell inhibitor (SCI) and can inhibit the proliferation of hematopoietic progenitor cells. CCL3 bioactivity contributes to tumor metastasis and the inflammatory components of viral infection, rheumatoid arthritis, and hepatitis, although it also can suppress the replication of HIV.

Form:PBS

Molecular Weight:10.8 kDa

Sequences:Ala24-Ala92

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.