

32-12249: Rat Macrophage Inflammatory Protein-1 alpha (CCL3)

Gene : Ccl3
Gene ID : 25542
Uniprot ID : P50229
Alternative Name : C-C motif chemokine 3, Macrophage inflammatory protein 1-alpha, Small-inducible cytokine A3

Description

Source: Genetically modified E.coli.

Predicted MW: Noncovalently-linked dimers, 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 : 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 : APYGADTPTA CCFSYGRQIP RKFIADYFET SSLCSQPGVI FLTKRNRQIC ADPKETWVQE YITELELNA

Application Note

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

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.



