

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

32-12257: Human Macrophage Inflammatory Protein-4 (CCL18)

 Gene :
 CCL18

 Gene ID :
 6362

 Uniprot ID :
 P55774

C-C motif chemokine 18, Alternative macrophage activation-associated CC chemokine 1, CC chemokine

Alternative Name: PARC, Dendritic cell chemokine 1, Macrophage inflammatory protein 4, Pulmonary and activation-

regulated chemokine, Small-inducible cytokine A18

Description

Source: Genetically modified E.coli. **Predicted MW:** Monomer, 7.9 kDa (69 aa)

Macrophage inflammatory protein-4 (MIP-4), also called CCL18, is a chemokine expressed in the lymph nodes, lungs, placenta, and bone marrow. MIP-4 receptors include the chemokine receptor 8 (CCR8), the G protein-coupled receptor 30 (GPR30), and the phosphatidylinositol transfer protein membrane-associate 3 (PITPNM3). MIP-4 acts as a chemoattractant for naive T cells, CD4+ T cells, CD8+ T cells, and nonactivated lymphocytes. Further, MIP-4 promotes breast cancer metastasis and attenuates the activation of acute lymphocytic leukemia B cells.

Product Info

Amount : $10 \mu g / 100 \mu g$

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

Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic

Content: Acid (TFA)

Sterile water at 0.1 mg/mL

Storage condition: Store at -20°C

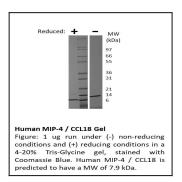
Amino Acid: AQVGTNKELC CLVYTSWQIP QKFIVDYSET SPQCPKPGVI LLTKRGRQIC ADPNKKWVQK

YISDLKLNA

Application Note

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

Biological Activity was determined by Bioactive protein. 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 vialed to compensate for this loss.





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