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

Gene :	CCL18
Gene ID :	6362
Uniprot ID :	P55774
Alternative Name :	C-C motif chemokine 18, Alternative macrophage activation-associated CC chemokine 1, CC chemokine PARC, Dendritic cell chemokine 1, Macrophage inflammatory protein 4, Pulmonary and activation-regulated chemokine, Small-inducible cytokine A18Â Â Â Â Â Â Â Â Â Â Â Â Â

Description

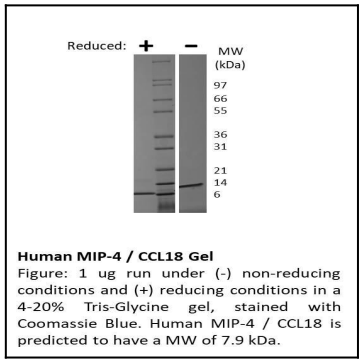
Source: Genetically modified E.coli.
Predicted MW:Â Monomer, 7.9 kDa (69 aa)
Macrophage inflammatory protein-4 (MIP-4), also called CCL18, is a chemokine expressed in the lymph nodes, lungs, placenta, and bone marrow. MIP-4 receptors include the chemokine receptor 8 (CCR8), the G protein-coupled receptor 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 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 :	AQVGTNKELC CLVYTSWQIP QKFIVDYSET SPQCPKPGVI LLTKRGRQIC ADPNKKWVQK YISDLKLNA

Application Note

Endotoxin: Less than 0.1 ng/Ã□Âµg (1 IEU/Ã□Âµg) 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 -80Ã□Â°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.



Human MIP-4 / CCL18 Gel
Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human MIP-4 / CCL18 is predicted to have a MW of 7.9 kDa.

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