

32-1971: MIP 4 Recombinant Protein

Alternative Name :

Small inducible cytokine A18,CCL18,Macrophage inflammatory protein 4,MIP-4,Pulmonary and activation-regulated chemokine,CC chemokine PARC,Alternative macrophage activation-associated CC chemokine 1,AMAC-1,Dendritic cell chemokine 1,DC-CK1,c

Description

Source : Escherichia Coli. Macrophage Inflammatory Protein-4 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 69 amino acids and having a molecular mass of 7813 Dalton. The MIP-4 is purified by proprietary chromatographic techniques. Chemokine (C-C motif) ligand 18 (CCL18 / MIP-4) is a small cytokine belonging to the CC chemokine family that was previously called PARC (pulmonary and activation-regulated chemokine). MIP-4 is approximately 60% identical in amino acid sequence to CCL3. MIP-4 is expressed at high levels in lung and at lower levels in certain lymphoid tissues, such as the lymph nodes, and is chemotactic for activated T cells and non activated lymphocytes. The gene for human CCL18 contains three exons and is located on chromosome 17.

Product Info

Amount : 10 µg

Purification : Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Content : MIP-4 protein is lyophilized from a 0.2µm filtered concentrated (1.0mg/ml) solution in 20mM PB, pH 7.4, 100mM NaCl.

Storage condition : Lyophilized MIP-4 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution MIP-4 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Amino Acid : The sequence of the first five N-terminal amino acids of MIP-4 was determined and found to be Ala-Gln-Val-Gly-Thr.

Application Note

It is recommended to reconstitute the lyophilized MIP-4 in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. The Activity MIP-4 is calculated by the ability to chemoattract Human T lymphocytes at 1-10ng/ml corresponding to a Specific Activity of 100,000-1,000,000IU/mg.

