
Product Data Sheet

Product Name: MIP 4 Human
 Cat. No.: GP21190
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	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; chemokine (C-C motif) ligand 18; CKb7; PARC; AMAC1; DCCK1; SCYA18.		
Amino Acid Sequence	The sequence of the first five N-terminal amino acids of MIP-4 was determined and found to be Ala-Gln-Val-Gly-Thr.		
Solubility	It is recommended to reconstitute the lyophilized MIP-4 in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	MIP-4 protein is lyophilized from a 0.2µm filtered concentrated (1.0mg/ml) solution in 20mM PB, pH 7.4, 100mM NaCl.		

Introduction

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.

Biological Activity

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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Stability

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.

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA