
Product Data Sheet

Product Name: MIP 3b Mouse
 Cat. No.: GP21186
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Small inducible cytokine A19; CCL19; Macrophage inflammatory protein 3 beta; MIP-3- beta; EBI1-ligand chemokine; ELC; Beta chemokine exodus-3; CK beta-11; chemokine (C-C motif) ligand 19; CKb11; MIP3B; MIP-3b; SCYA19; MGC34433; Epstein-Barr virus-induced molecule 1 ligand chemokine; EBI1-ligand chemokine.		
Amino Acid Sequence	The sequence of the first five N-terminal amino acids was determined and was found to be, Gly-Ala-Asn-Asp-Ala.		
Solubility	It is recommended to reconstitute the lyophilized Macrophage Inflammatory Protein-3b in sterile 18MΩ-cm H ₂ O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	The CCL19 was lyophilized from a concentrated (1mg/ml) solution in water containing no additives.		

Introduction

Chemokine (C-C motif) ligand 19 (CCL19) is a small cytokine belonging to the CC chemokine family that is also known as EBI1 ligand chemokine (ELC) and macrophage inflammatory protein-3-beta (MIP-3-beta). CCL19 is expressed abundantly in thymus and lymph nodes, with moderate levels in trachea and colon and low levels in stomach, small intestine, lung, kidney and spleen. The gene for CCL19 is located on human chromosome 9. This chemokine elicits its effects on its target cells by binding to the chemokine receptor chemokine receptor CCR7. It attracts certain cells of the immune system, including dendritic cells and antigen-engaged B cells.

Biological Activity

The Activity is calculated by the ability to chemoattract Human mature dendritic cells

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

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using a concentration range of 8-80 ng/ml.

Stability

Lyophilized MIP-3b although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution CCL19 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-3 beta Mouse Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 83 amino acids and having a molecular mass of 9216 Dalton. The MIP-3b is purified by proprietary chromatographic techniques.

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