



## User Manual

**Macrophage Inflammatory Protein-3 beta/CCL19 (MIP-3b/CCL19)  
(Murine)**

**Cat. No. MECCP-19013**

**Description:**

Macrophage Inflammatory Protein-3 beta also called CCL19, ELC (EBI1 Ligand Chemokine), Exodus-3 is a reported  $\beta$  chemokine that binds specifically to the chemokine receptor CCR7/EBI1/BLR2. It is expressed in the thymus, lymph nodes and in activated bone marrow stromal cells. MIP-3 beta is a chemoattractant for T and B lymphocytes and myeloid progenitor cells.

**Source:**

*Escherichia coli*

**Unit:**

1 mg

**Reconstitution:**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at  $< -20^{\circ}\text{C}$ . Further dilutions should be made in appropriate buffered solutions.

**Formulation:**

Lyophilized from a 0.2  $\mu\text{m}$  filtered concentrated solution in PBS, pH 7.4.

**Storage:**

This lyophilized preparation is stable at 2-8 $^{\circ}\text{C}$ , but should be kept at -20 $^{\circ}\text{C}$  for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 $^{\circ}\text{C}$ . For maximal stability, apportion the reconstituted preparation into working

aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.

### **Molecular Weight:**

Approximately 9.2 kDa, a single non-glycosylated polypeptide chain containing 83 amino acids.

### **Endotoxin:**

Less than 1 EU/μg of MIP-3b/CCL19 as determined by LAL method.

### **Usage:**

This material is offered by Cyagen Biosciences for research, laboratory or further evaluation purposes. FOR RESEARCH USE ONLY. NOT INTENDED FOR ANY ANIMAL OR HUMAN THERAP EUTIC OR DIAGNOSTIC USE.

### **Biological Activity:**

The biologically active determined by a chemotaxis bioassay using human mature dendritic cells is in a concentration range of 10-100 ng/mL.

### **Physical Appearance:**

Sterile filtered white lyophilized (freeze-dried) powder.

### **AA Sequence:**

GANDAEDCCL SVTQRPIPGN IVKAFRYLLN EDGCRVPAVV FTTLRGYQLC  
APPDQPWVDR IIRRLKKSSA KNKGNSTRRS PVS

**Purity:**

> 97% by SDS-PAGE and HPLC analyses.

Material Safety Data Sheets (MSDSs) are available upon request.

The Certificate of Analysis (COA), which provides detailed quality control information for each product, is also available at the Cyagen website.

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