



## Product Datasheet

<b>Product Name</b>	Recombinant Human Macrophage Inflammatory Protein-1 Beta
<b>Cata No</b>	CB500040
<b>Source</b>	<i>Escherichia Coli.</i>
<b>Synonyms</b>	Small inducible cytokine A4, CCL4, Macrophage inflammatory protein 1-beta, MIP-1-beta, MIP-1-beta(1-69), T-cell activation protein 2, ACT-2, PAT 744, H400, SIS-gamma, Lymphocyte activation gene 1 protein, LAG-1, HC21, G-26 T-lymphocyte-secreted protein, chemokine (C-C motif) ligand 4, ACT2, G-26, LAG1, MIP1B, SCYA4, AT744.1, MGC104418, MGC126025, MGC126026.

### Description

Macrophage Inflammatory Protein-1 beta Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 69 amino acids and having a molecular mass of 7620 Dalton.

The CCL4 is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

### Biological Activity

The Activity is calculated by the ability to chemoattract Human blood monocytes using a concentration of 5-20 ng/ml.

### Purity

Greater than 99.0% as determined by:

(a) Analysis by RP-HPLC.

(b) Analysis by SDS-PAGE.

### Formulation

Lyophilized from a concentrated (1 mg/ml) solution in water containing no additives.

### Stability

Lyophilized MIP-1b although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CCL4 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.**

### Sequence

The sequence of the first five N-terminal amino acids was determined and was found to be, Ala-Pro-Met-Gly-Ser.

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