



PRODUCT DATA SHEET

Product: MIP-3 β , (recombinant human)

Cat. No.: BC-302 (20 μ g)

Synonyms:

Small inducible cytokine A19 precursor (CCL19)
Macrophage inflammatory protein 3 beta
(MIP-3 β)
EBI1-ligand chemokine (ELC)
Beta chemokine exodus-3 (CK beta-11)

Description:

Recombinant Human MIP-3 β produced in *E. Coli* is a single, non-glycosylated, polypeptide chain containing 77 amino acids and having a molecular mass of 8,809 Daltons. Recombinant Human MIP-3 β is purified by proprietary chromatographic techniques.

Amino Acid Sequence:

The sequence of the first five N-terminal amino acids was determined and was found to be Gly-Thr-Asn-Asp-Ala.

Origin:

Produced in *E. Coli*.

Format:

Sterile filtered white powder. Lyophilized from a 1 mg/mL solution in water containing no additives.

Purity:

Greater than 98.0% as determined by RP-HPLC, anion-exchange FPLC, reducing and non-reducing SDS-PAGE Silver Stained gel.
Dimers and aggregates: Less than 1% as determined by silver-stained SDS-PAGE.

Endotoxin:

Less than 0.1 ng/ μ g (IEU/ μ g) of Recombinant Human MIP-3 β .

Reconstitution:

Reconstitute in sterile 18M Ω -cm H₂O not less than 100 μ g/mL, which can then be further diluted to other aqueous solutions.

Biological Activity:

Recombinant Human MIP-3 β is fully biologically active when compared to standard. The activity is calculated by the ability to chemo-attract human T-cells using a concentration of 10-50 ng/mL.

Storage:

Lyophilized Recombinant Human MIP-3 β , although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Recombinant Human MIP-3 β 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).

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.