

Product: Macrophage Inflammatory Protein-1 beta (CCL4), Human, Recombinant
Catalog #: 11-MIP-1BH
Amount: 5 µg

DESCRIPTION: Recombinant Human MIP-1beta produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 69 amino acids and having a molecular mass of 7620 Dalton.
rHuMIP-1beta is purified by proprietary chromatographic techniques. The sequence of the first five N-terminal amino acids was determined and was found to be, Ala-Pro-Met-Gly-Ser.

SOURCE: *Escherichia coli* expression system

MOLECULAR WEIGHT: 7.6 kDa

PURITY: > 99.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Anion-exchange FPLC.
(c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.

ENDOTOXIN: Less than 0.1 ng/µg (IEU/µg) of rHuMIP-1beta.

DIMERS & AGGREGATES: Less than 1% as determined by silver-stained SDS-PAGE gel analysis.

PROTEIN CONTENT: Protein quantitation was carried out by two independent methods:
1. UV spectroscopy at 280 nm.
2. RP-HPLC-Analysis, using calibrated solution of Human MIP-1beta as a Reference Standard

FORM: Purified.

CONCENTRATION: 0.1 mg/ml

STORAGE: -20°C (aliquot), avoid freezing and thawing cycles

BIOLOGICAL ACTIVITY: rHuMIP-1beta is fully biologically active when compared to standard. The Activity is calculated by the ability to chemoattract Human blood monocytes at 5-20 ng/ml.

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