

Macrophage Inflammatory Protein-1 beta Mouse Recombinant (CCL4)

Item Number	rAP-0228
Synonyms	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,
Description	Macrophage Inflammatory Protein-1 beta Mouse Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 69 amino acids and having a molecular mass of 7808 Dalton. The MIP-1b is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P14097
Amino Acid Sequence	APYGADTPTA CCFSYSRKIP RQFIVDYFET SSLCSQPGVI FLTKRNRQIC ADSKETWVQE YITDLELNA.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Mouse MIP-1b although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Mouse 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.
Formulation and Purity	Lyophilized from a concentrated (1 mg/ml) solution in water containing no additives. Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Mouse MIP-1b in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	Mouse MIP-1 beta activity is calculated by the ability to chemoattract Human blood monocytes at 20-100ng/ml corresponding to a Specific Activity of 10,000-50,000IU/mg.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**