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32-1962: rMIP 1b Recombinant Protein

Alternative Name : C-C motif chemokine 4,Macrophage inflammatory protein 1-beta,MIP-1-beta,Small-inducible cytokine A4,Ccl4,Mip1b,Scya4.

Description

Source : Escherichia Coli. MIP-1b Rat Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 69 amino acids and having a molecular mass of 7.8 kDa. The MIP-1b is purified by proprietary chromatographic techniques. Macrophage Inflammatory Proteins (MIP) belong to the family of chemotactic cytokines known as chemokines. In humans, there are two major forms, MIP-1 and MIP-1 that are now officially named CCL3 and CCL4 respectively. Both are major factors produced by macrophages after they are stimulated with bacterial endotoxins. They activate human granulocytes (neutrophils, eosinophils and basophils) which can lead to acute neutrophilic inflammation. They also induce the synthesis and release of other pro-inflammatory cytokines such as interleukin 1 (IL-1), IL-6 and TNF- from fibroblasts and macrophages. The genes for CCL3 and CCL4 are both located on human chromosome 17.

Product Info

Amount :	20 µg
Purification :	Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	Filtered (0.2µm) and lyophilized from a concentrated (1mg/ml) solution in 30% Acetonitrile and 0.1% TFA.
Storage condition :	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.
Amino Acid :	APIGSDPPTS CCFSYTSRKI HRNFVMDYYE TSSLCSQPAV VFLTKKGRQI CADPSEPWVN EYVNDLELN.

Application Note

It is recommended to reconstitute the lyophilized Mouse MIP-1b in sterile 18MÃ‚Â©-cm H2O not less than 100Ã‚Âµg/ml, which can then be further diluted to other aqueous solutions. Determined by its ability to chemoattract human monocytes using a concentration range of 0.01-1.0 Ã‚Âµg/ml.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.