Product Datasheet

Recombinant Human MIP-1 beta rHu MIP-1 beta /CCL4 (orb1495031)

Description	Both MIP-1 alpha and MIP-1 beta are structurally and functionally related CC chemokines. They participate in the host response to invading bacterial, viral, parasite and fungal pathogens by regulating the trafficking and activation state of selected subgroups of inflammatory cells e.g. macrophages, lymphocytes and NK cells. While both MIP-1 alpha and MIP-1 beta exert similar effects on monocytes their effect on lymphocytes differ; with MIP-1 alpha selectively attracting CD8+ lymphocytes and MIP-1 beta selectively attracting CD4+ lymphocytes. Additionally, MIP-1 alpha and MIP-1 beta have also been shown to be potent chemoattractants for B cells, eosinophils and dendritic cells. Both human and murine MIP-1 alpha and MIP-1 beta are active on human and murine hematopoietic cells.
Endotoxins	Less than 1EU/mg of rHuMIP-1 beta /CCL4 as determined by LAL method.
Preservatives	Lyophilized from a 0.2mm filtered concentrated solution in 20mM Tris, 500mM NaCl.
Form/Appearance	Lyophilized from a 0.2mm filtered concentrated solution in 20mM Tris, 500mM NaCl.
Storage	This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.
Note	For research use only
Application notes	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at -20°C. Further dilutions should be made in appropriate buffered solutions.

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Protein Sequence	APMGSDPPTA CCFSYTARKL PHNFVVDYYE TSSLCSQPAV VFQTKRGKQV CADPSESW VQ EYVYDLELN
Purity	> 96% by SDS-PAGE and HPLC analyses.
Source	Escherichia coli.
MW	7.6 kDa, a single non-glycosylated polypeptide chain containing 69 amino acids.
Expiration Date	6 months from date of receipt.

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