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MIP-1β/CCL4

Catalog # PVGS1110

Product Information

Primary Accession	P13236-1
Species	Human
Sequence	Ala24-Asn92
Purity	> 96% as analyzed by SDS-PAGE > 96% as analyzed by HPLC
Endotoxin Level	
Biological Activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human peripheral blood monocytes is in a concentration range of 5.0-20.0 ng/ml.
Expression System	E. coli
Theoretical Molecular Weight	7.8 kDa
Formulation	Lyophilized from a 0.2 □m filtered solution in 20 mM PB, pH 7.4, 150 mM NaCl.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/ml.
Storage & Stability	Upon receiving, this product remains stable for up to 6 months at -70°C or -20°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. Avoid repeated freeze-thaw cycles.

Additional Information

Target Background	Macrophage inflammatory protein 1 beta (MIP-1β), also known as Chemokine (C-C motif) ligand 4 (CCL4), is a small cytokine belonging to the CC chemokine family. It is a chemo attractant for natural killer cells, monocytes and a variety of other immune cells. MIP-1β is a major HIV-suppressive factor produced by $CD8^+$ T cells. Perforin-low memory $CD8^+$ T cells are the most common T-cells that normally synthesize MIP-1-beta in humans. MIP-1β has been shown to interact with CCL3. It can signal through the CCR5 receptor.

Protein Information