10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MIP-1β/CCL4

Catalog # PVGS1409

Product Information

Primary Accession	P13236-1
Species	Human
Sequence	Ala24-Asn92
Purity	> 95% as analyzed by SDS-PAGE > 95% as analyzed by HPLC
Endotoxin Level	
Biological Activity	The EC_{50} value of human MIP-1 beta /CCL4 on Ca^{2+} mobilization assay in CHO-K1/ Gα15/hCCR5 cells (human Gα15 and human CCR5 stably expressed in CHO-K1 cells) is less than 100.0 ng/ml.
Expression System	E. coli
Formulation	Lyophilized after extensive dialysis against PBS.
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 ddH_2O or PBS up to 100 □g/ml.
Storage & Stability	Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. 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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.