

MIP-1β/CCL4

Catalog # PVGS1409

Specification

MIP-1β/CCL4 - Product Information

Primary Accession
Species
Human

P13236-1

Sequence

Ala24-Asn92

Purity

> 95% as analyzed by SDS-PAGE
br>> 95% as analyzed by HPLC

Endotoxin Level

< 0.2 EU/ µg of protein by gel clotting method

Biological Activity

The EC₅₀ value of human MIP-1 beta /CCL4 on Ca²⁺ mobilization assay in CHO-K1/ $G\alpha15/hCCR5$ cells (human $G\alpha15$ 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 $100 \mu g/ml$.

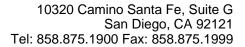
Storage & Stability

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.

MIP-1β/CCL4 - Additional Information

Target Background

Macrophage inflammatory protein 1 beta (MIP-1 β), 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-1 β 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-1 β has been shown to interact with CCL3. It can signal through the CCR5 receptor.



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MIP-1β/CCL4 - Protein Information

MIP-1β/CCL4 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MIP-1β/CCL4 - Images