

MIP-1 β /CCL4
Catalog # PVGS1409**Specification**

MIP-1 β /CCL4 - 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
< 0.2 EU/ μ g of protein by gel clotting method

Biological Activity
The EC₅₀ value of human MIP-1 β /CCL4 on Ca²⁺ mobilization assay in CHO-K1/ α 15/hCCR5 cells (human α 15 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 ddH₂O or PBS up to 100 μ 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-1 β /CCL4 - Additional Information

Target Background
Macrophage inflammatory protein 1 β (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- β in humans. MIP-1 β has been shown to interact with CCL3. It can signal through the CCR5 receptor.

MIP-1 β /CCL4 - Protein Information

MIP-1 β /CCL4 - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MIP-1 β /CCL4 - Images