

MIP-1 β /CCL4
Catalog # PVGS1110**Specification**

MIP-1 β /CCL4 - 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
< 1 EU/ μ g of protein by LAL method

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 μ 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.

MIP-1 β /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.

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