

**MIP-1 $\beta$**   
Catalog # PVGS1485**Specification**

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**MIP-1 $\beta$  - Product Information****Sequence**

Ala<sup>24</sup>-Asn<sup>92</sup> (Accession #: P13236.1)

**Purity**

> 95% as analyzed by SDS-PAGE and HPLC.

**Endotoxin Level**

< 0.2 EU/  $\mu$ g, determined by LAL method.

**Formulation**

**Lyophilized after extensive dialysis against PBS.**

**Reconstitution**

Reconstituted in ddH<sub>2</sub>O or PBS at 100  $\mu$ g/ml.

**MIP-1 $\beta$  - Additional Information****Target Background**

**Macrophage inflammatory protein 1 beta (MIP-1 $\beta$ ),** 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 $\beta$  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 $\beta$  has been shown to interact with CCL3. It can signal through the CCR5 receptor. **Recombinant MIP-1 beta/CCL4** produced in CHO is a polypeptide chain containing 69 amino acids. A fully biologically active molecule, rhMIP-1 beta/CCL4 has a molecular mass of 10-19 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques at .

**MIP-1 $\beta$  - Protein Information****MIP-1 $\beta$  - 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 $\beta$  - Images**