

**MIP-1 $\alpha$ /CCL3**  
**Catalog # PVGS1649****Specification**

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**MIP-1 $\alpha$ /CCL3 - Product Information**

Primary Accession [P10147](#)  
**Species**  
Human

**Sequence**  
Ser24-Ala92

**Purity**  
> 95% as analyzed by SDS-PAGE

**Endotoxin Level**  
< 1 EU/  $\mu$ g of protein by LAL method

**Expression System**  
E. coli

Formulation **Lyophilized from a 0.2  $\mu$ m filtered solution in 20 mM PB, 150 mM NaCl, pH 7.4.**

**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 distilled water up to 100  $\mu$ g/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 4-7°C and up to 3 months at -20°C or below. Avoid repeated freeze-thaw cycles.

**MIP-1 $\alpha$ /CCL3 - Additional Information**

**Gene ID** 6348

**Other Names**  
C-C motif chemokine 3, G0/G1 switch regulatory protein 19-1, Macrophage inflammatory protein 1-alpha, MIP-1-alpha, PAT 464.1, SIS-beta, Small-inducible cytokine A3, Tonsillar lymphocyte LD78 alpha protein, MIP-1-alpha(4-69), LD78-alpha(4-69), CCL3, G0S19-1, MIP1A, SCYA3

**Target Background**  
Human Chemokine (C-C Motif) Ligand 3 (CCL3) is a small cytokine belonging to the CC chemokine family. CCL3 is primarily expressed in T cells, B cells, and monocytes after antigen or mitogen stimulation. CCL3 exhibits chemoattractive and adhesive effects on lymphocytes. CCL3 exerts multiple effects on hematopoietic precursor cells and inhibits the proliferation of hematopoietic stem cells in vitro as well as in vivo. CCR1 and CCR5 have been identified as functional receptors for CCL3.

## **MIP-1 $\alpha$ /CCL3 - Protein Information**

**Name** CCL3

**Synonyms** G0S19-1, MIP1A, SCYA3

### **Function**

Monokine with inflammatory and chemokinetic properties. Binds to CCR1, CCR4 and CCR5. One of the major HIV-suppressive factors produced by CD8+ T-cells. Recombinant MIP-1-alpha induces a dose- dependent inhibition of different strains of HIV-1, HIV-2, and simian immunodeficiency virus (SIV).

### **Cellular Location**

Secreted.

## **MIP-1 $\alpha$ /CCL3 - 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 $\alpha$ /CCL3 - Images**