

MIP-3 α /CCL20
Catalog # PVGS1404

Specification

MIP-3 α /CCL20 - Product Information

Primary Accession [P97884-1](#)
Species
Rat

Sequence
Ala26-Met96

Purity
> 98% as analyzed by SDS-PAGE

Endotoxin Level
< 0.2 EU/ μ g of protein by gel clotting method

Biological Activity
The EC₅₀ value of rat MIP-3 α /CCL20 on Ca²⁺ mobilization assay in CHO-K1/ G15/rCCR6 cells (human G15 and rat CCR6 stably expressed in CHO-K1 cells) is less than 0.6 μ g/ml.

Expression System
HEK 293

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-3 α /CCL20 - Additional Information

Target Background
Macrophage Inflammatory Protein-3 (MIP-3 α), also known as chemokine (C-C motif) ligand 20 (CCL20) or liver activation regulated chemokine (LARC), is a small cytokine belonging to the CC chemokine family. MIP-3 α is expressed in the liver, lymph nodes, appendix, PBL and lung and can signal through the CCR6 receptor. It is strongly chemotactic for lymphocytes and weakly attracts neutrophils. MIP-3 α is implicated in the formation and function of mucosal lymphoid tissues via chemoattraction of lymphocytes and dendritic cells toward the epithelial cells surrounding these tissues. Additionally, it promotes the adhesion of memory CD4⁺ T cells and inhibits colony formation of bone marrow myeloid immature progenitors.

MIP-3 α /CCL20 - Protein Information

MIP-3 α /CCL20 - 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-3 α /CCL20 - Images