

MDC/CCL22
Catalog # PVGS1473**Specification**

MDC/CCL22 - Product Information

Primary Accession [O00626-1](#)
Species
Human

Sequence
Pro26-Gln93

Purity
> 95% as analyzed by SDS-PAGE

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

Biological Activity

The EC₅₀ value of human MDC/CCL22 (67aa) on Ca²⁺ mobilization assay in CHO-K1/Gα15/hCCR4 cells (human Gα15 and human CCR4 stably expressed in CHO-K1 cells) is less than 1.0 µg/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 µg/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.

MDC/CCL22 - Additional Information**Target Background**

Macrophage-Derived/CCL22 Chemokine (MDC), also known as stimulated T cell chemotactic protein (STCP1), is a CC chemokine initially isolated from clones of monocytoid derived macrophages. CCL22 is one of several Cys-Cys (CC) cytokine genes clustered on the q arm of chromosome 16. CCL22 shows chemotactic activity for natural killer cells, chronically activated T lymphocytes, monocytes and dendritic cells. CCL22 has mild chemotactic activity for primary activated T lymphocytes and no chemoattractant activity for neutrophils, eosinophils or resting T lymphocytes. CCL22 may also be involved in certain aspects of activated T lymphocyte physiology, such as trafficking activated T lymphocytes to inflammatory sites. CCL22 interacts with the cell

surface chemokine receptor CCR4.

MDC/CCL22 - Protein Information

MDC/CCL22 - 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](#)

MDC/CCL22 - Images