

# MDC/CCL22

Catalog # PVGS1119

## Product Information

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<b>Primary Accession Species</b>	<a href="#">O88430</a> Mouse
<b>Sequence</b>	Gly25-Ser92
<b>Purity</b>	> 97% as analyzed by SDS-PAGE > 97% as analyzed by HPLC
<b>Endotoxin Level Biological Activity</b>	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human activated lymphocytes is in a concentration range of 10.0-100.0 ng/ml.
<b>Expression System</b>	E. coli
<b>Theoretical Molecular Weight</b>	7.8 kDa
<b>Formulation</b>	Lyophilized from a 0.2 $\mu$ m filtered solution in 20 mM PB, pH 7.4, 150 mM NaCl.
<b>Reconstitution</b>	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.
<b>Storage &amp; Stability</b>	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.

## Additional Information

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<b>Gene ID</b>	20299
<b>Other Names</b>	C-C motif chemokine 22, Activated B and dendritic cell-derived, CC chemokine ABCD-1, Small-inducible cytokine A22, Ccl22, Abcd1, Scya22
<b>Target Background</b>	Macrophage-Derived/CCL22 Chemokine (MDC) , also known as stimulated T cell chemotactic protein (STCP1), is a CC chemokine initially isolated from clones of monocytederived 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

astrafficking activated T lymphocytes to inflammatory sites. CCL22 interacts with the cell surface chemokine receptor CCR4.

## Protein Information

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<b>Name</b>	Ccl22
<b>Synonyms</b>	Abcd1, Scya22
<b>Function</b>	Chemotactic for activated T-lymphocytes. May play an important role in the collaboration of dendritic cells and B- lymphocytes with T-cells in immune responses.
<b>Cellular Location</b>	Secreted.
<b>Tissue Location</b>	Expressed by activated splenic B-lymphocytes and dendritic cells. Low expression in lung, thymocytes, lymph node, and unstimulated splenic cells

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.