10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MDC/CCL22

Catalog # PVGS1119

Product Information

Primary Accession	O88430
Species	Mouse
Sequence	Gly25-Ser92
Purity	> 97% as analyzed by SDS-PAGE > 97% as analyzed by HPLC
Endotoxin Level	
Biological Activity	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.
Expression System	E. coli
Theoretical Molecular Weight	7.8 kDa
Formulation	Lyophilized from a 0.2 μm filtered solution in 20 mM PB, pH 7.4, 150 mM NaCl.
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 sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/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°C or up to 3 months at -20°C. Avoid repeated freeze-thaw cycles.

Additional Information

Gene ID	20299
Other Names	C-C motif chemokine 22, Activated B and dendritic cell-derived, CC chemokine ABCD-1, Small-inducible cytokine A22, Ccl22, Abcd1, Scya22
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 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

Name	Ccl22
Synonyms	Abcd1, Scya22
Function	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.
Cellular Location	Secreted.
Tissue Location	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'.