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

Lymphotactin/XCL1

Catalog # PVGS1092

Product Information

Primary Accession	P47992
Species	Human
Sequence	Gly23-Gly114
Purity	> 98% as analyzed by SDS-PAGE > 98% 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 T-lymphocytes is in a concentration of 10.0-100.0 ng/ml.
Expression System	E. coli
Theoretical Molecular Weight	10.2 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	6375
Other Names	Lymphotactin, ATAC, C motif chemokine 1, Cytokine SCM-1, Lymphotaxin, SCM-1-alpha, Small-inducible cytokine C1, XC chemokine ligand 1, XCL1, LTN, SCYC1
Target Background	Lymphotactin is the only known member of the C-chemokine family and signals through the receptor XCR1, formally known as GPR5. The spleen shows the highest level of lymphotactin compared to peripheral leukocytes, lung, colon and small intestine. Lymphotactin is chemotactic towards lymphocytes but not towards monocytes or neutrophils.

Protein Information

Name	XCL1
Synonyms	LTN, SCYC1
Function	Chemotactic activity for lymphocytes but not for monocytes or neutrophils. In thymus, mediates medullary accumulation of thymic dendritic cells and contributes to regulatoy T cell development, playing a role in self-tolerance establishment.
Cellular Location	Secreted.
Tissue Location	Highest level in spleen, lower in peripheral leukocytes and very low levels in lung, colon and small intestine

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