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Exodus-2/CCL21

Catalog # PVGS1100

Product Information

Primary Accession	P86792
Species	Mouse
Sequence	Ser24-Gly133
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 murine T-lymphocytes is in a concentration range of 10.0-100.0 ng/ml.
Expression System	E. coli
Theoretical Molecular Weight	12.1 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	100042493;100504239;100504346;100862177
Other Names	C-C motif chemokine 21b, 6Ckine, Beta-chemokine exodus-2, Small-inducible cytokine A21b, Thymus-derived chemotactic agent 4, TCA4, Ccl21b, Scya21, Scya21b
Target Background	Exodus-2/CCL21 is a novel CC chemokine discovered independently by three groups from the EST database, and shows 21-33% identity to other CC chemokines. Exodus-2 contains the four conserved cysteines characteristic of β chemokines plus two additional cysteines in its unusually long carboxyl terminal domain. It is expressed in lymph nodes of certain endothelial cells, and in the spleen and appendix. Exodus-2 chemoattracts T and B lymphocytes and inhibits hematopoiesis.

Protein Information

Name	Ccl21b
Synonyms	Scya21, Scya21b
Function	Binds to chemokine receptors CCR7 and CXCR3. Also binds to G protein-coupled receptor GPR174 (By similarity). Inhibits hemopoiesis and stimulates chemotaxis. Chemotactic in vitro for thymocytes and activated T-cells, but not for B-cells, macrophages, or neutrophils. Potent mesangial cell chemoattractant. Shows preferential activity towards naive T-cells. May play a role in mediating homing of lymphocytes to secondary lymphoid organs.
Cellular Location	Secreted.
Tissue Location	Expressed strongly in lung, spleen, thymus, peripheral and mesentric lymph nodes. Also expressed in the testis, kidney, liver, and heart

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