

Exodus-2/CCL21
Catalog # PVGS1100**Specification**

Exodus-2/CCL21 - Product Information

Primary Accession [P86792](#)
Species
Mouse

Sequence
Ser24-Gly133

Purity
> 97% as analyzed by SDS-PAGE
> 97% as analyzed by HPLC

Endotoxin Level
< 1 EU/ µg of protein by LAL method

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.

Exodus-2/CCL21 - 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.

Exodus-2/CCL21 - Protein Information

Name Ccl21b

Synonyms Scya21, Scya21b

Function

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 mesenteric lymph nodes. Also expressed in the testis, kidney, liver, and heart

Exodus-2/CCL21 - 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](#)

Exodus-2/CCL21 - Images