

## Exodus 2 Mouse

**Description:**Exodus-2 Mouse Recombinant produced in E.Coli as a single, non-glycosylated, polypeptide chain containing 110 amino acids and having a molecular mass of 12 kDa. The CCL21 is purified by proprietary chromatographic techniques.

**Synonyms:**Small inducible cytokine A21, CCL21, Beta chemokine exodus-2, 6Ckine, Secondary lymphoid-tissue chemokine, SLC, chemokine (C-C motif) ligand 21, ECL, CKb9, TCA4, SCYA21, MGC34555.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile Filtered White lyophilized (freeze-dried) powder.

**Amino Acid Sequence:**SDGGGQDCCL KYSQKKIPYS IVRGYRKQEP SLGCPIPAIL  
FLPRKHSKPE LKANPEEGWV QNLMRRLDQP PAPGKQSPGC RKNRGTSKSG KKGKGSKGCK  
RTEQTQPSRG.

**Purity:**Greater than 97.0% as determined by SDS-PAGE & RP-HPLC.

### Formulation:

Lyophilized from a concentrated (1mg/ml) solution in water containing 20mM Phosphate buffer and 0.15M NaCl pH-7.4.

### Stability:

Lyophilized Exodus-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CCL21 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Solubility:

It is recommended to reconstitute the lyophilized Exodus2 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions

### Introduction:

Chemokine (C-C motif) ligand 21 (CCL21) is a small cytokine belonging to the CC chemokine family. This chemokine is also known as 6Ckine (because it has six conserved cysteine residues instead of the four cysteines typical to chemokines), exodus-2, and secondary lymphoid-tissue chemokine (SLC). CCL21 is expressed predominantly in the lymph nodes and, in contrast to other CC chemokines, is chemotactic for lymphocytes. The gene for CCL21 is located on human chromosome 9. CCL21 elicits its effects by binding to a cell surface chemokine receptor known as CCR7.

### Biological Activity:

Determined by its ability to chemoattract total murine T cell population using a concentration range of 10-100ng/ml corresponding to a Specific Activity of 10,000-100,000IU/mg.

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Catalog #:CHPS-378

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