



## Technical Data Sheet

### Recombinant Mouse Exodus-2/CCL21(rMu Exodus-2/CCL21)

#### *Murine Exodus-2/CCL21*

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  $\beta$  chemokines plus two additional cysteines in its unusually long carboxylterminal 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.

<b>Catalog Number:</b>	RC335-32
<b>Source:</b>	<i>Escherichia coli</i> .
<b>Molecular Weight:</b>	12.0 kDa, a single, non-glycosylated polypeptide chain containing 110 amino acids.
<b>Quantity:</b>	5ug/20ug/1mg
<b>AA Sequence:</b>	SDGGGQDCCL KYSQKKIPYS IVRGYRKQEP SLGCPIPAIL FLPRKHSKPE LCANPEEGWV QNLMRRLDQP PAPGKQSPGC RKNRGTSKSG KKGKGSKGCK RTEQTQPSRG
<b>Purity:</b>	>97% by SDS-PAGE and HPLC analyses.
<b>Biological Activity:</b>	Fully biologically active when compared to standard. Determined by its ability to chemoattract total murine T cell population using a concentration range of 10.0 -100.0 ng/ml.
<b>Formulation:</b>	Lyophilized from a 0.2 $\mu$ m filtered concentrated (1.0mg/ml) solution in 20mM PB, pH 7.4, 150mM NaCl.
<b>Endotoxin:</b>	Less than 1EU/ $\mu$ g of rMuExodus-2/CCL21 as determined by LAL method.
<b>Reconstitution:</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml. Stock solutions should be apportioned into working aliquots and stored at $\leq -20^{\circ}\text{C}$ . Further dilutions should be made in appropriate buffered solutions.



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**Storage:**

This lyophilized preparation is stable for several weeks at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. **Avoid repeated freeze/thaw cycles.**

**Usage:**

This material is offered by Bio Basic Inc. for research, laboratory or further evaluation purposes. **NOT FOR HUMAN USE.**