

## PRODUCT DATA SHEET



Bioworld Technology, Inc.

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

Catalog Number: PR2003

Source: Escherichia coli.

Quantity: 5µg/20µg/1.0mg

#### Description

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.

#### Molecular Weight:

12.0 kDa, a single, non-glycosylated polypeptide chain containing 110 amino acids.

#### Purity:

>97% by SDS-PAGE and HPLC analyses.

#### Biological Activity:

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, corresponding to a Specific Activity of  $1 \times 10^4$  IU/mg.

#### Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

#### Formulation:

Lyophilized from a 0.2µm filtered concentrated solution in 20mM PB, pH 7.4, 150mM NaCl.

#### AA Sequence:

SDGGGQDCCLKYSQKKIPYSIVRGYRK  
QEPSLGCPIPAILFLPRKHSKPELCANP

EEGWVQNLMRRLDQPPAPGKQSPGCR  
KNRGTSKSGKKKGSKGCKRTEQTQPS  
RG

#### Endotoxin:

Less than 1EU/µg of rMuExodus-2/CCL21 as determined by LAL method.

#### Reconstitution:

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  $<-20^{\circ}\text{C}$ . Further dilutions should be made in appropriate buffered solutions.

#### Storage:

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

#### Usage:

This material is offered by USA Bioworld biotech for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE. Made in China

**Bioworld Technology, Inc.**

1660 South Highway 100, Suite 500 St. Louis Park, MN

55416, USA.

Tel: 6123263284

Email: [info@bioworld.com](mailto:info@bioworld.com)

Fax: 6122933841

**MADE IN CHINA**

**Bioworld technology, co, Ltd.**

No 9, weidi road Qixia District Nanjing, 210046, P, R.China.

Tel: 0086-025-86371664

Email: [info@biogot.com](mailto:info@biogot.com)

Fax: 0086-025-86213570