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Exodus 2 Mouse

Exodus-2 Mouse Recombinant (CCL21)
CHK0040

Product Overview

Name	Exodus 2 Mouse
Description	
Exodus-2 Mouse Recombinant (CCL21)	
Accession (Primary)	P84444
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.	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
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.	
Purity	
Greater than 97.0% as determined by SDS-PAGE & RP-HPLC.	
Amino acid sequence	
SDGGGQDCCL KYSQKKIPYS IVRGYRKQEP SLGCPIPAIL FLPRKHSKPE LCANPEEGWV QNLMRRLDQP	

PAPGKQSPGC RKNRGTSKSG KKGKGSKGCK RTEQTQPSRG.

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.

Solubility

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

Precautions

Exodus 2 Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P84444)