

Rev03
Update: Dec,14,2021

DATASHEET

LIX/CXCL5 (92aa), Mouse

Cat. No.: Z02851

Product Introduction

Species	Mouse
Protein Construction	CXCL5 (Ala41-Gln132) Accession # P50228
Purity	> 97% as analyzed by SDS-PAGE > 97% as analyzed by HPLC
Endotoxin Level	< 1 EU/ μ g of protein by LAL method
Biological Activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human peripheral blood neutrophils is in a concentration of 10.0-100.0 ng/ml.
Expression System	E. coli
Theoretical Molecular Weight	9.8 kDa
Formulation	Lyophilized from a 0.2 μ m 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.

Background

Target Background : The mouse homolog of ENA-78 is called LIX. ENA-78/LIX is a CXC chemokine that signals through the CXCR2 receptor. It is expressed in monocytes, platelets, endothelial cells, and mast cells. ENA-78/LIX is a chemoattractant for neutrophils. The three naturally occurring variants of human ENA-78; ENA 5-78, ENA 9-78 and ENA 10-78, contain 74, 70, and 69 amino acid residues, respectively, and possess the same biological activity. ENA-78/LIX contains the four conserved cysteine residues present in CXC chemokines, and also contains the 'ELR' motif common to CXC chemokine that bind to the CXCR1 and CXCR2 receptors.

Synonyms : C-X-C motif chemokine 5; Small-inducible cytokine B5; Cytokine LIX; Scyb5; GCP-2; Scyb6; ENA-78; AMCF-II; Epithelial Neutrophil Activating Peptide-78

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.