

Datasheet for ABIN987973 **CXCL11 Protein**



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Overview

Quantity:	1 mg
Target:	CXCL11
Origin:	Human
Source:	Escherichia coli (E. coli)
Biological Activity:	Active

Product Details

Sequence:	FPMFKRGRCL CIGPGVKAVK VADIEKASIM YPSNNCDKIE VIITLKENKG QRCLNPKSKQ ARLIKKVER KN
Characteristics:	Fully biologically active when compared to standard. The ED50 determined by a chemotaxis bioassay using human IL-2 activated human T-lymphocytes is less than 10 ng/ml, corresponding to a specific activity of $> 1.0 \times 10^5$ IU/mg.
Purity:	> 97 % by SDS-PAGE and HPLC analyses.
Endotoxin Level:	Level Less than 1EU/ μ g of rHuIL-TAC/CXCL11 as determined by LAL method

Target Details

Target:	CXCL11
Alternative Name:	I-TAC/CXCL11 (CXCL11 Products)
Background:	CXCL11 cDNA encodes a 94 amino acid (aa) residue precursor protein with a 21 aa residue putative signal sequence, which is cleaved to form the mature 73 aa residue protein. CXCL11 shares 36% and 37% amino acid sequence homology with IP-10 and MIG (two other known

Target Details

human non-ELR CXC chemokines), respectively. CXCL11 is expressed at low levels in normal tissues including thymus, spleen and pancreas. The expression of CXCL11 mRNA is radically up regulated in IFN- γ and IL-1 stimulated astrocytes. Moderate increase in expression is also observed in stimulated monocytes. CXCL11 has potent chemoattractant activity for IL-2 activated T cells and transfected cell lines expressing CXCR3, but not freshly isolated T-cells, neutrophils or monocytes. Synonym: I-TAC/CXCL11, Human. Formulation: Lyophilized from a 0.2 μ m filtered concentrated solution in 20mM PB, pH 7.4, 100mM NaCl.

Molecular Weight: 8.3 kDa, a single non-glycosylated polypeptide chain containing 73 amino acids.

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

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 °C. Further dilutions should be made in appropriate buffered solutions.

Storage: 4 °C