Datasheet for ABIN2017967

CXCL11 Protein (AA 22-94)

Go to Product page

Overview

Quantity:	50 µg
Target:	CXCL11
Protein Characteristics:	AA 22-94
Origin:	Human
Source:	HEK-293T Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Characteristics:	The EC50 value of human I-TAC/CXCL11 on Ca2+ mobilization assay in CHO-K1/Ga15/hCXCR3 cells (human Ga15 and human CXCR3 stably expressed in CHO-K1 cells) is less than 0.5 µg/mL.
Purity:	> 98 % as analyzed by SDS-PAGE.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

Target Details

Target:	CXCL11
Alternative Name:	I-TAC/CXCL11 (CXCL11 Products)
Background:	Chemokine (C-X-C motif) ligand 11(CXCL11), also known as I-TAC and B-R1, is a small cytokine belonging to the CXC chemokine family that is also called Interferon-inducible T-cell alpha chemoattractant (I-TAC) and Interferon-gamma-inducible protein 9 (IP-9).This chemokine elicits

Target Details

	its effects on target cells by interacting with chemokine receptor CXCR3 having a higher affinity than other ligands for this receptor such as CXCL9 and CXCL10. CXCL11 is chemotactic for activated T cells. The gene encoding CXCL11 has been mapped to chromosome 4. CXCL11 cDNA encodes a 94 amino acid residue precursor protein with a 21 amino acid residue putative signal sequence, which is cleaved to form the mature 73 amino acid residue protein. CXCL11 shares 36 % and 37 % amino acid sequence homology with IP-10 and MIG (two other known human non-ELR CXC chemokines), respectively. Mouse CXCL11 exhibits 68 % sequence homology with human CXCL11.Recombinant human I-TAC/CXCL11 produced in HEK293 cells is a single non-glycosylated polypeptide chain containing 73amino acids. A fully biologically active molecule, rhI-TAC/CXCL11 has a molecular mass of 8.3 kDa analyzed by reducing SDS-PAGE. Synonyms: I-TAC/CXCL11, Human
Molecular Weight:	8.3 kDa, observed by reducing SDS-PAGE.
UniProt:	O14625

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstituted in ddH2O or PBS at 100 µg/mL.
Buffer:	Lyophilized after extensive dialysis against PBS.
Storage:	-80 °C
Storage Comment:	Lyophilized recombinant human I-TAC/ CXCL11 remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, humanCXCL11/I-TAC should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.
Expiry Date:	6 months