

Active Recombinant Human CXCL11 protein, Tag Free, Alexa Fluor 647 labeled

Cat. No. CXCL11-280H-AF647 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	E. coli expressed Human CXCL11 protein was labeled with AF647 in vitro.
Species	Human
Source	E.coli
ProteinLength	22-94 aa
Description	CXCL11 also known as I-TAC is belonging to the CXC chemokine family and shares 36 % and 37 % amino acid sequence homology with IP-10 and MIG, respectively. It is highly expressed in peripheral blood leukocytes, pancreas and liver. Expression of CXCL11 is strongly induced by IFN- γ and IFN- β , and weakly induced by IFN- α . This chemokine elicits its effects by binding to the cell surface chemokine receptor CXCR3, which with a higher affinity than do the other chemokines for this receptor, CXCL9 and CXCL10. Similar to CXCL10, CXCL11 has been shown to be a chemoattractant for IL-2-activated T-lymphocytes, but not for isolated T-cells, neutrophils or monocytes.
Tag	Non
Conjugation/Label	Alexa Fluor 647 labeled
Form	Solution

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Bio-activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human IL-2 activated human T-lymphocytes is in a concentration range of 0.1-10 ng/ml.
Molecular Mass	8.3 kDa
AA Sequence	FPMFKRGRCL CIGPGVKAVK VADIEKASIM YPSNNCDKIE VIITLKENKG QRCLNPKSKQ ARLIIKKVER KNF
Purity	>97% by SDS-PAGE and HPLC analysis
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied
Concentration	2.0 mg/mL
Conjugation	Alexa Fluor 647

GENE INFORMATION

Gene Name	CXCL11 C-X-C motif chemokine ligand 11 [Homo sapiens (human)]
Official Symbol	CXCL11
Synonyms	CXCL11; chemokine (C-X-C motif) ligand 11; SCYB9B, SCYB11, small inducible cytokine subfamily B (Cys X Cys), member 11; C-X-C motif chemokine 11; b R1; H174; I TAC; IP 9; beta-R1; small inducible cytokine B11; small-inducible cytokine B11; interferon gamma-inducible protein 9; interferon-inducible T-cell alpha chemoattractant; small inducible cytokine subfamily B (Cys-X-Cys), member 11; small inducible cytokine subfamily B (Cys-X-Cys), member 9B; IP9; IP-9; b-R1; I-TAC; SCYB11; SCYB9B; MGC102770

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Gene ID	6373
mRNA Refseq	NM_005409
Protein Refseq	NP_005400
MIM	604852
UniProt ID	O14625

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