

Active Recombinant Human CXCL10 protein, Tag Free, Alexa Fluor 647 labeled

Cat. No. CXCL10-08H-AF647 **Lot. No.** (See product label)

SPECIFICATION

Product Overview Escherichia coli expressed Human CXCL10 protein was labeled with AF647 in vitro.

Species Human

Source E.coli

ProteinLength 22-98 aa

Description

CXCL10 also known as IP-10 is belonging to the CXC chemokine family. It is encoded by the CXCL10 gene. CXCL10 was originally identified in monocytes, endothelial cells and fibroblasts as a responder to IFN- γ . This chemokine elicits its effects by binding to the cell surface chemokine receptor CXCR3. CXCL10 has been shown to be a chemoattractant for activated T-lymphocytes and monocytes/macrophages. It also has other roles, such as promotion of T cell adhesion to endothelial cells, and inhibition of bone marrow colony formation and angiogenesis. The mouse homologue of human IP10, Crg-2, has been cloned and shown to share approximately 67 % amino acid sequence identity with human IP-10.

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 peripheral blood T-lymphocytes is in a concentration range of 10-50 ng/ml.
Molecular Mass	8.6 kDa
AA Sequence	VPLSRTVRCT CISISNQPVN PRSLEKLEII PASQFCPRVE IIATMKKKGE KRCLNPESKA IKNLLKAVSK EMSKRSP
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	CXCL10 C-X-C motif chemokine ligand 10 [Homo sapiens (human)]
Official Symbol	CXCL10
Synonyms	CXCL10; chemokine (C-X-C motif) ligand 10; INP10, SCYB10, small inducible cytokine subfamily B (Cys X Cys), member 10; C-X-C motif chemokine 10; C7; crg 2; gIP 10; IFI10; IP 10; mob 1; gamma IP10; gamma-IP10; small-inducible cytokine B10;interferon-inducible cytokine IP-10; 10 kDa interferon gamma-induced protein; protein10 from interferon (gamma)-induced cell line; small inducible cytokine subfamily B (CysX-Cys), member 10; INP10; IP-10; crg-2; mob-1; SCYB10; gIP-10

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Gene ID	3627
mRNA Refseq	NM_001565
Protein Refseq	NP_001556
MIM	147310
UniProt ID	P02778

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