Active Recombinant Human CXCL9 protein, Tag Free, Alexa Fluor 647 labeled

Cat. No. CXCL9-17H-AF647 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Escherichia coli expressed Human CXCL9 protein was labeled with AF647 in vitro.
Species	Human
Source	E.coli
ProteinLength	23-125 aa
Description	CXCL9 is a T-cell chemoattractant induced by IFN-γ belonging to the CXC chemokine family and it is also known as Monokine induced by gamma interferon (MIG). CXCL9 is closely related to two other CXC chemokines called CXCL10 and CXCL11 and they all elicit their chemotactic functions by interacting with the chemokine receptor CXCR3. CXCL9 is a cytokine that affects the growth, movement, or activation state of cells that participate in immune and inflammatory response and chemotactic for activated T-cells. Recombinant human CXCL9 contains 103 amino acids which is a single nonglycosylated polypeptide chain. The human CXCL9 shares 75 % and 67 % a.a. sequence identity with mouse and rat CXCL9.
Tag	Non
Conjugation/Label	Alexa Fluor 647 labeled
Form	Solution

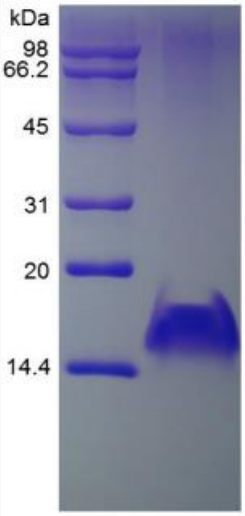
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Bio-activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human peripheral blood T-lymphocytes is in a concentration range of 10-100 ng/ml.
Molecular Mass	11.7 kDa
AA Sequence	TPVVRKGRCS CISTNQGTIH LQSLKDLKQF APSPSCEKIE IIATLKNGVQ TCLNPDSADV KELIKKWEKQ VSQKKKQKNG KKHQKKKVLK VRKSQRSRQK KTT
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	CXCL9 C-X-C motif chemokine ligand 9 [Homo sapiens (human)]
Official Symbol	CXCL9
Synonyms	CXCL9; chemokine (C-X-C motif) ligand 9; CMK, MIG, monokine induced by gamma interferon; C-X-C motif chemokine 9; crg 10; Humig; SCYB9; small-inducible cytokine B9; gamma-interferon-induced monokine; monokine induced by gamma interferon;monokine induced by interferon-gamma; CMK; MIG; crg-10
Gene ID	4283

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mRNA Refseq	NM_002416
Protein Refseq	NP_002407
MIM	601704
UniProt ID	Q07325
SDS-PAGE of CXCL9-17H	 SDS-PAGE

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