

Recombinant Human SLAMF7 Protein, Fc-tagged, Alexa Fluor 488 conjugated

Cat. No. SLAMF7-186HAF488 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 488 conjugated recombinant human SLAMF7/CD319 /CRACC Protein, C-Fc Tag (rh SLAMF7/CD319 Fc Chimera) Ser 23-Met 226 (Accession # AAH27867) was produced in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	23-226 a.a.
Description	SLAM family member 7 (SLAMF7) is also known as CD2-like receptor-activating cytotoxic cells (CRACC), Membrane protein FOAP-12, CD antigen CD319, Novel Ly9, Protein 19A, which is a single-pass type I membrane protein and a member of the CD2 family of cell surface receptors. SLAMF7 is expressed in spleen, lymph node, peripheral blood leukocytes, bone marrow, small intestine, stomach, appendix, lung and trachea. Isoform 1 of SLAMF7 mediates NK cell activation through a SH2D1A-independent extracellular signal-regulated ERK-mediated pathway. May play a role in lymphocyte adhesion. Isoform 3 of SLAMF7 does not mediate any NK cell activation.
Form	Lyophilized
Molecular Mass	rh SLAMF7/CD319 Fc Chimera is fused with a human IgG1 Fc tag at the C-terminus, and has a calculated MW of 49 kDa. DTT-reduced Protein migrates as 60-67 kDa in SDS-PAGE due to glycosylation.

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N-terminal Sequence Analysis	Ser 23
Endotoxin	< 1.0 EU/ µg of the rh SLAMF7/CD319 Fc Chimera by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Characteristic	Disulfide-linked homodimer Labeled with Alexa Fluor 488 via amines Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4 centigrade); After reconstitution under sterile conditions for 3 months (-70 centigrade).
Storage Buffer	Lyophilized from 0.22 µm filtered solution in 50 mM tris, 100 mM glycine, pH7.5. Normally Mannitol or Trehalose are added as protectants before lyophilization.
Conjugation	Alexa Fluor 488

GENE INFORMATION

Gene Name	SLAMF7 SLAM family member 7 [Homo sapiens]
Official Symbol	SLAMF7
Synonyms	SLAMF7; SLAM family member 7; 19A; CD319; CRACC; CS1; protein 19A; CD2 subset 1; 19A24 protein; membrane protein FOAP-12; CD2-like receptor activating cytotoxic cells; CD2-like receptor-activating cytotoxic cells; novel LY9 (lymphocyte antigen 9) like protein;

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Gene ID	57823
mRNA Refseq	NM_021181
Protein Refseq	NP_067004
MIM	606625
UniProt ID	Q9NQ25

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