

Recombinant Human SLAMF7 Protein, Fc-tagged, FITC conjugated

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

SPECIFICATION

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|-------------------------|---|
| Product Overview | FITC 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. |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|-------------------------------------|---|
| 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 FITC via amines Excitation source: 488 nm spectral line, argon-ion laser Excitation Wavelength: 488 nm Emission Wavelength: 535 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 | FITC |

GENE INFORMATION

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|------------------------|---|
| 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 |

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antigen 9) like protein;

Gene ID [57823](#)

mRNA Refseq [NM_021181](#)

Protein Refseq [NP_067004](#)

MIM [606625](#)

UniProt ID [Q9NQ25](#)

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