

# Recombinant Human SLAMF7 Protein, Fc-tagged, FITC conjugated

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| <b>Product Overview</b> | 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).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 23-226 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | 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. |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | 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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|                                     |                                                                                                                                                                                                                 |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>N-terminal Sequence Analysis</b> | Ser 23                                                                                                                                                                                                          |
| <b>Endotoxin</b>                    | < 1.0 EU/ µg of the rh SLAMF7/CD319 Fc Chimera by the LAL method.                                                                                                                                               |
| <b>Purity</b>                       | > 95 % as determined by SDS-PAGE                                                                                                                                                                                |
| <b>Characteristic</b>               | Disulfide-linked homodimer<br>Labeled with FITC via amines<br>Excitation source: 488 nm spectral line, argon-ion laser<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 535 nm                          |
| <b>Storage</b>                      | 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). |
| <b>Storage Buffer</b>               | 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.                                                 |
| <b>Conjugation</b>                  | FITC                                                                                                                                                                                                            |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                             |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | SLAMF7 SLAM family member 7 [ Homo sapiens ]                                                                                                                                                                                                |
| <b>Official Symbol</b> | SLAMF7                                                                                                                                                                                                                                      |
| <b>Synonyms</b>        | 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 Tel: 1-631-559-9269 1-516-512-3133 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA