

# Recombinant Human SLAMF7 Protein, Fc-tagged, Alexa Fluor 555 conjugated

**Cat. No.** SLAMF7-186HAF555    **Lot. No.** (See product label)

## SPECIFICATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>    | Alexa Fluor 555 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>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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>N-terminal Sequence</b> | Ser 23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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| Analysis               |                                                                                                                                                                                                                                                                      |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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 Alexa Fluor 555 via amines<br>With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters.            |
| <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>     | Alexa Fluor 555                                                                                                                                                                                                                                                      |
| 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 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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