

Recombinant Human SLAMF7/CRACC/CD319 Protein

Catalog No.: RP00292 Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 57823 09NQ25

Tags

C-His

Synonyms

SLAMF7;19A;CD319;CRACC;CS1

Product Information

Source Purification HEK293 cells ≥ 90 % as

determined by SDS-

PAGE.

Calculated MW Observed MW

23.23 kDa 35-40 kDa

Endotoxin

< 1 EU/µg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

<u>a</u>	400-999-6126
\bowtie	cn.market@abclonal.com.cn
<u>~</u>	www.abclonal.com.cn

Background

SLAM family member 7 (SLAMF7), also known as CRACC, CD319, CD2-like receptor-activating cytotoxic cells, and CS1, is a single-pass type I membrane protein and a member of the CD2 family of cell surface receptors. SLAMF7 is expressed on the surface of NK cells, CD8+ T cells, activated B cells, and mature dendritic cells but not in promyelocytic, B-cell lines, or T-cell lines. In human NK cells, activated SLAMF7 transmits signals following association with the adaptor protein EAT-2 . In the absence of EAT-2, SLAMF7 potently inhibited natural killer cell function. It was also inhibitory in T cells, which are typically devoid of EAT-2. Thus, SLAMF7 can exert activating or inhibitory influences on cells of the immune system depending on cellular context and the availability of effector proteins.

Basic Information

Description

Recombinant Human SLAMF7/CRACC/CD319 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Ser23-Met226) of human SLAMF7/CD319 (Accession $\#NP_067004.3$) fused with a $6\times His$ tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human SLAMF7 at 2 μ g/mL (100 μ L/well) can bind Anti-SLAMF7 antibody with a linear range of 40-120 ng/mL.

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

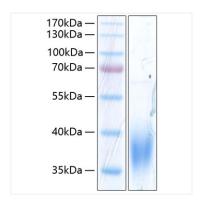
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

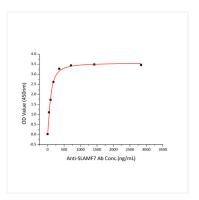
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Validation Data



Recombinant Human SLAMF7/CRACC/CD319 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Recombinant Human SLAMF7 at 2 μ g/mL (100 μ L/well) can bind Anti-SLAMF7 antibody with a linear range of 40-120 ng/mL.