Recombinant Human SLAMF7/CRACC/CD319 Protein

Catalog No.: RP00292

Sequence Information

Species
Human

Gene ID
57823

Swiss Prot
Q9NQ25

Tags
C-His

Synonyms
SLAMF7,19A,CD319,CRACC,CS1

Product Information

Source
HEK293 cells

Purification
≥ 90 % as determined by SDS-PAGE.

Calculated MW
23.23 kDa

Observed MW
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.

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×His tag at the C-terminus.

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

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

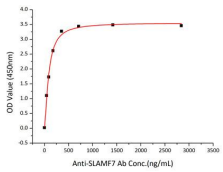
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

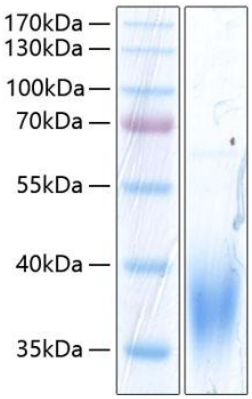
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

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Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



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



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