

Datasheet for ABIN7275630
SLAMF7 Protein (AA 23-226) (Fc Tag)

3 Images

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Overview

Quantity:	100 µg
Target:	SLAMF7
Protein Characteristics:	AA 23-226
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLAMF7 protein is labelled with Fc Tag.

Product Details

Purpose:	Human SLAMF7/CRACC/CD319 Protein
Sequence:	Ser23-Met226
Characteristics:	Recombinant Human SLAMF7/CRACC/CD319 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Ser23-Met226.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human SLAMF7, hFc Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Anti-SLAMF7 Antibody, hFc Tag with the EC50 7.3ng/ml determined by ELISA. See testing image for detail.

Target Details

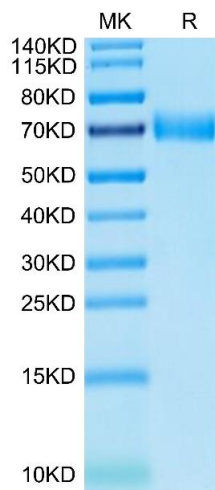
Target:	SLAMF7
Alternative Name:	SLAMF7 (SLAMF7 Products)
Background:	CD2-like receptor activating cytotoxic cells (CRACC), also known as CS1, novel Ly9, SLAMF7, and CD319, is a 65-75 kDa type I transmembrane glycoprotein in the SLAM subgroup of the CD2 family. Self-ligand receptor of the signaling lymphocytic activation molecule (SLAM) family. SLAM receptors triggered by homo- or heterotypic cell-cell interactions are modulating the activation and differentiation of a wide variety of immune cells and thus are involved in the regulation and interconnection of both innate and adaptive immune response.
Molecular Weight:	49.2 kDa. Due to glycosylation, the protein migrates to 68-80 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
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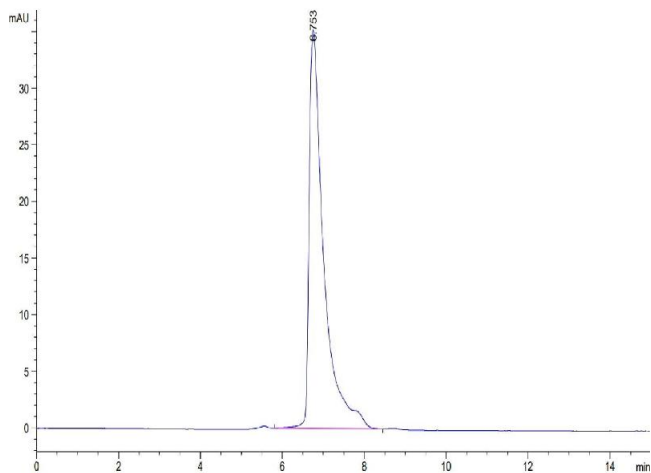
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

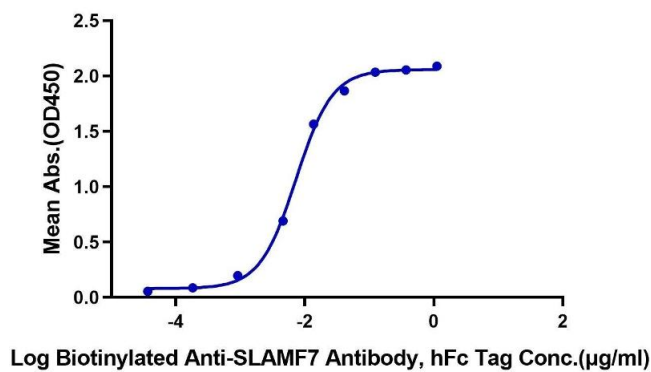
Image 1. Human SLAMF7 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human SLAMF7 is greater than 95 % as determined by SEC-HPLC.

Human SLAMF7, hFc Tag ELISA
0.05µg Human SLAMF7, hFc Tag Per Well



ELISA

Image 3. Immobilized Human SLAMF7, hFc Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Biotinylated Anti-SLAMF7 Antibody, hFc Tag with the EC50 7.3 ng/mL determined by ELISA.