

Datasheet for ABIN7274414

CRTAM Protein (AA 18-287) (Fc Tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CRTAM
Protein Characteristics:	AA 18-287
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CRTAM protein is labelled with Fc Tag.

Product Details

Purpose:	Cynomolgus CRTAM Protein
Sequence:	Ser18-Gly287
Characteristics:	Recombinant Cynomolgus CRTAM Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Ser18-Gly287.
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 Cynomolgus CRTAM, hFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-CRTAM Antibody, hFc Tag with the EC50 of 20.7ng/ml determined by ELISA. See testing image for detail.

Target Details

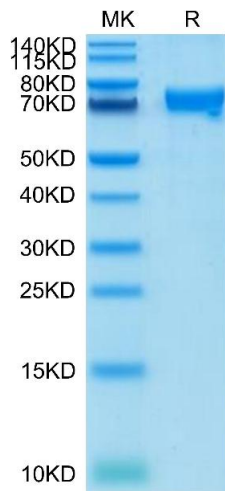
Target:	CRTAM
Alternative Name:	CRTAM (CRTAM Products)
Background:	Class-I Restricted T Cell-Associated Molecule (CRTAM) is a protein that is expressed after T cell activation. The interaction of CRTAM with its ligand, nectin-like 2 (Nect2), is required for the efficient production of IL-17, IL-22, and IFN γ by murine CD4 T cells, and it plays a role in optimal CD8 T and NK cell cytotoxicity. CRTAM promotes the pro-inflammatory cytokine profile, therefore, it may take part in the immunopathology of autoimmune diseases such as diabetes type 1 or colitis.
Molecular Weight:	56.6 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Tris-Bis PAGE result.
NCBI Accession:	XP_005580021
Pathways:	Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Activated T Cell Proliferation

Application Details

Restrictions:	For Research Use only
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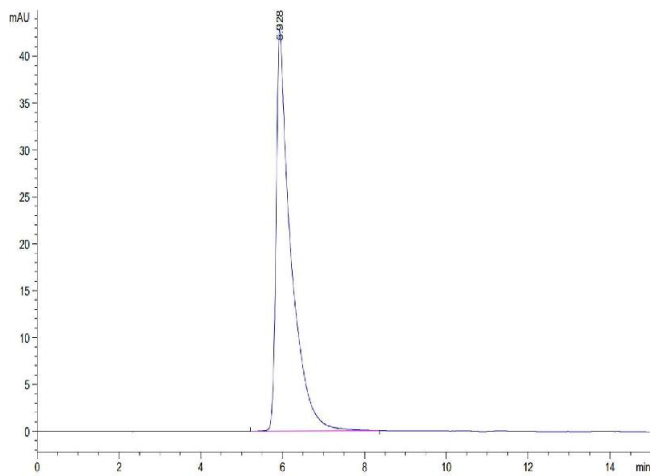
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 μ m 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

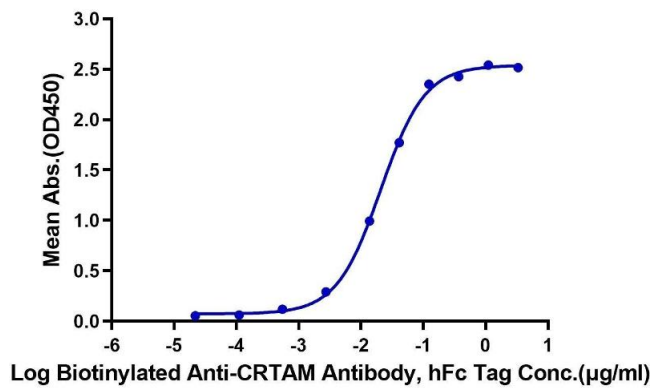
Image 1. Cynomolgus CRTAM on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

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

Cynomolgus CRTAM, hFc Tag ELISA
0.1µg Cynomolgus CRTAM, hFc Tag Per Well



ELISA

Image 3. Immobilized Cynomolgus CRTAM, hFc Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Anti-CRTAM Antibody, hFc Tag with the EC50 of 20.7 ng/mL determined by ELISA.