

Cynomolgus CRTAM Protein

Cat. No. CRM-CM201



Description

Source	Recombinant Cynomolgus CRTAM Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Ser18-Gly287.
Accession	XP_005580021.1
Molecular Weight	The protein has a predicted MW of 56.6 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

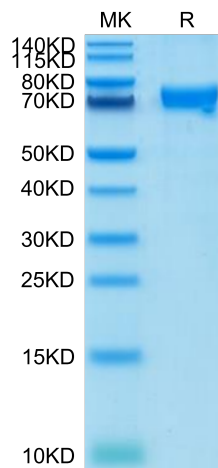
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-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.

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 (Nectl2), 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.

Assay Data

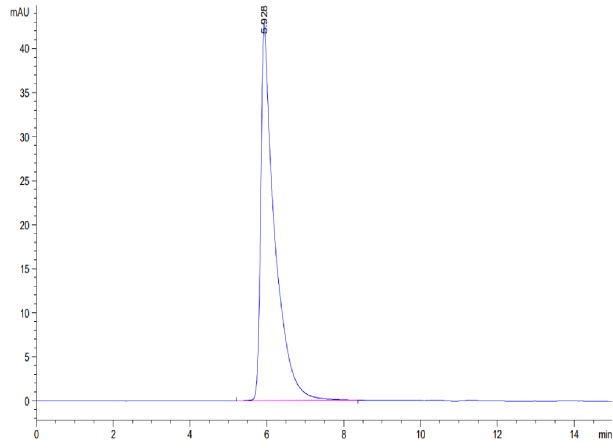
Tris-Bis PAGE



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

SEC-HPLC

Assay Data



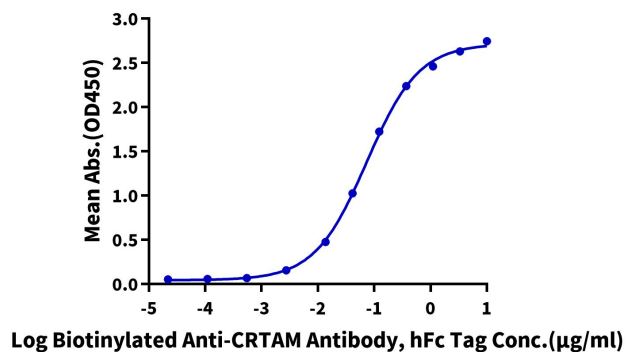
The purity of Cynomolgus CRTAM is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Cynomolgus CRTAM, hFc Tag ELISA

0.1µg Cynomolgus CRTAM, hFc Tag Per Well



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 73.9ng/ml determined by ELISA.