

# Recombinant Cynomolgus CRTAM/CD355 Protein

Catalog No.: RP02611

## Sequence Information

**Species**      **Gene ID**  
Cynomolgus      102125896

**Swiss Prot**      **Tags**  
XP\_005580021.1      C-hFc

**Synonyms**  
CD355 antigen; CD355; CRTAM

## Product Information

**Source**      **Purification**  
HEK293 cells      ≥ 95 % as  
determined by  
Tris-Bis PAGE; ≥  
95 % as  
determined by  
HPLC.

**Calculated MW** **Observed MW**  
56.6 kDa      70-80 kDa

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

## Formulation

### Reconstitution

Centrifuge the tube 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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-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 (Nect2), is required for the efficient production of IL-17, IL-22, and IFNγ 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.

## Basic Information

### Description

Recombinant Cynomolgus CRTAM/CD355 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser18-Gly287) of Cynomolgus CRTAM/CD355 (Accession #) fused with hFc tag at the C-terminal.

### Activity

### 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°C

### Operational Notes

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

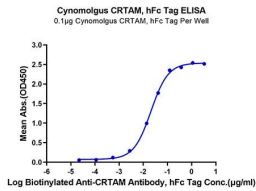
## Contact

☎ | 400-999-6126

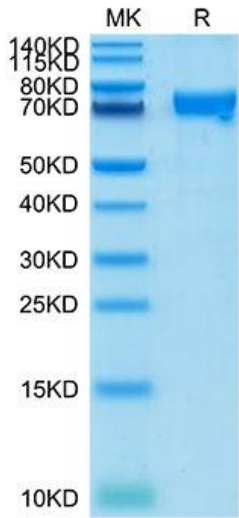
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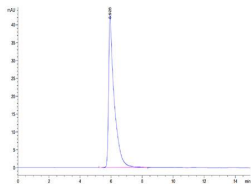
# Validation Data



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 EC<sub>50</sub> of 20.7 ng/ml determined by ELISA.



Recombinant Cynomolgus CRTAM/CD355 Protein was determined by Tris-Bis PAGE under reducing conditions.



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