

Recombinant Cynomolgus CRTAM/CD355 Protein

Catalog No.: RP02611 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Cynomolgus	102125896	XP_00558002 1.1

Tags

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


Less than 1EU per µg by the 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.

Contact

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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.

Basic Information

Description

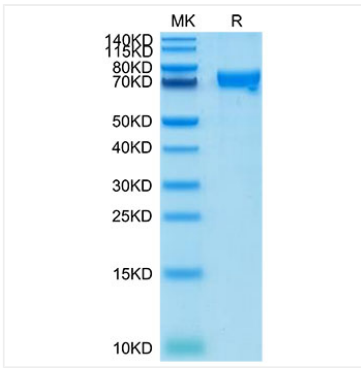
Recombinant Cynomolgus CRTAM/CD355 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser18-Gly287) of Cynomolgus CRTAM/CD355 (Accession #) fused with hFc tag at the C-terminal.

Bio-Activity

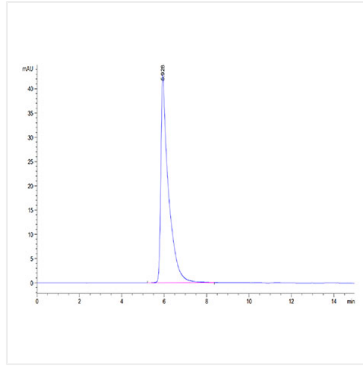
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

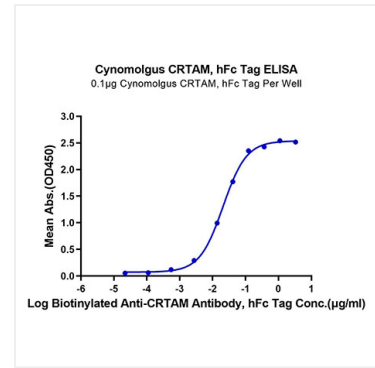
Validation Data



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



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



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_{50} of 20.7ng/ml determined by ELISA.