Rev04
Update: Aug,08,2025

DATASHEET

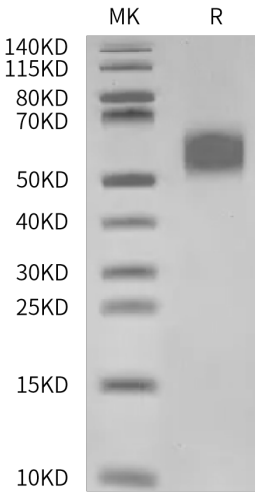
CRTAM, His, Cynomolgus

Cat. No.: Z04770

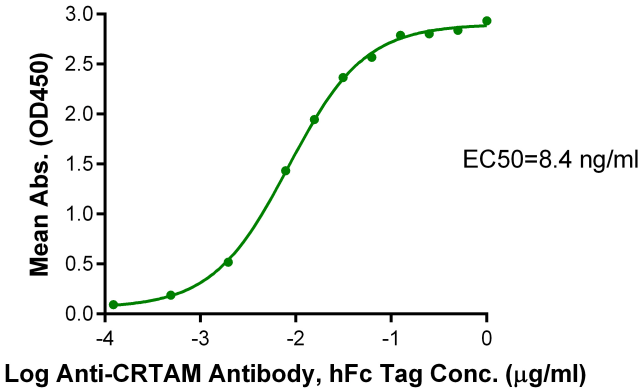
Product Introduction

Species	Cynomolgus
Protein Construction	CRTAM (Ser18-Gly287) Accession # XP_005580021.1 — His N-term — C-term
Purity	> 95% as determined by Bis-Tris PAGE
Endotoxin Level	Less than 1 EU per μg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized CRTAM, His, Cynomolgus at 2μg/ml (100μl/Well) on the plate can bind AntiCRTAM Antibody, hFc Tag. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	30.80 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 50-70 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4).
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 & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Examples



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



Immobilized CRTAM, His, Cynomolgus, His Tag at 2 μg/ml (100 μl/well) on the plate. Dose response curve for Anti-CRTAM Antibody, hFc Tag with the EC50 of 8.4 ng/ml determined by ELISA.

Background

Target 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 (Necl2), 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.

Synonyms : CD355 antigen; CD355; CRTAM

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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