

For Research Use Only

# Recombinant Mouse CRTAM/CD355 protein (rFc Tag)



Catalog Number: Eg2691

## Basic Information

**Species:**  
Mouse

**Purity:**  
>90 %, SDS-PAGE

**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**  
>90 %, SDS-PAGE

**Endotoxin Level:**  
<0.1 EU/  $\mu$ g protein, LAL method

**Source:**  
HEK293-derived Mouse CRTAM protein Ala17-Ala284 (Accession# Q149L7-1) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**  
54698

**Accession:**  
Q149L7-1

**Predicted Molecular Mass:**  
55.5 kDa

**SDS-PAGE:**  
65-85 kDa, reducing (R) conditions

**Formulation:**  
Lyophilized from 0.22  $\mu$ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

### Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

### Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

Cytotoxic and regulatory T cell molecule (CRTAM, also known as CD355) is an immunoglobulin-superfamily transmembrane protein with V and C1-like Ig domains, which is involved in epithelial cell adhesion. CRTAM is critical to instruct the differentiation of CD4<sup>+</sup> cytotoxic T cells (CTL) through the induction of eomesodermin and CTL-related genes. It also regulates CD8<sup>+</sup> T cell retention within the lymph node and eventually effector function.

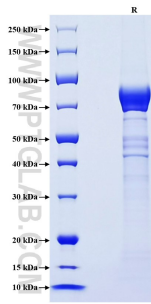
## References

- 1.Yeh JH, et al. (2008) Cell. 7;132(5):846-59.
- 2.Garay E, et al. (2010) J Cell Biochem. 1;111(1):111-22.
- 3.Takeuchi A, et al. (2015) J Exp Med. 11;213(1):123-38.
- 4.Takeuchi A, et al. (2009) J Immunol. 1;183(7):4220-8.

## Synonyms

CD355, Class-I MHC-restricted T-cell-associated molecule, Crtam, Cytotoxic and regulatory T-cell molecule

## Selected Validation Data



Purity of Recombinant Mouse CRTAM was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) condition and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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