

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/μg 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 μm 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⁺ cytotoxic T cells (CTL) through the induction of eomesodermin and CTL-related genes. It also regulates CD8⁺ 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

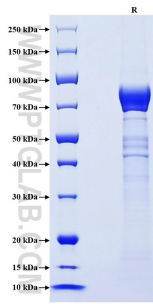
For technical support and original validation data for this product please contact

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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.