## **PRODUCT INFORMATION**

**Target CRTAM** CD355 **Synonyms** 

Recombinant human CRTAM Protein with C-**Description** 

terminal mouse Fc tag

**Delivery** In Stock **Uniprot ID** 095727 **Expression Host HEK293** 

Tag C-mouse Fc tag

Molecular

**Background** 

CRTAM(Ser18-Gly287) mFc(Pro99-Lys330) Characterization

The protein has a predicted molecular mass of 56.3 kDa after removal of the signal peptide. The apparent molecular mass of CRTAM-mFc is **Molecular Weight** approximately 70-100 kDa due to glycosylation. The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

The CRTAM gene is upregulated in CD4 (see MIM 186940)-positive and CD8 (see CD8A; MIM 186910)-positive T cells and encodes a type I transmembrane protein with V and C1-like Ig

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domains (Yeh et al., 2008 [PubMed 18329370]).[supplied by OMIM, Feb 2009]

Usage Research use only Conjugate Unconjugated



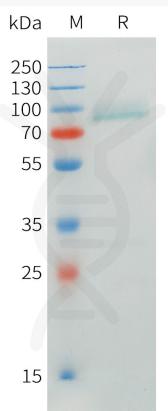


Figure 1. Human CRTAM Protein, mFc Tag on SDS-PAGE under reducing condition.

## Human CRTAM, mFc Tagged protein ELISA

0.2 μg of Human CRTAM, mFc tagged protein per well

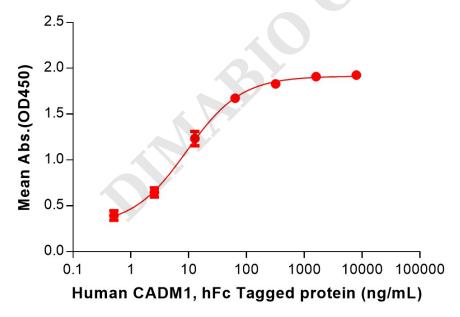


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human CRTAM Protein, mFc Tag (PME101547) can bind Human CADM1 Protein, hFc Tag (PME101544) in a linear range of 0.51–64 ng/mL.

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## Human CRTAM, mFc Tagged protein ELISA

0.2 μg of Human CRTAM, mFc tagged protein per well

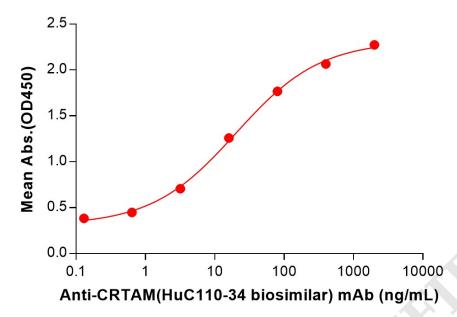


Figure 3. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human CRTAM Protein, mFc Tag (PME101547) can bind Anti-CRTAM(HuC110-34 biosimilar) mAb (BME100227) in a linear range of 3.20–400 ng/mL.

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