

PRODUCT INFORMATION

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|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target | CRTAM |
| Synonyms | CD355 |
| Description | Recombinant human CRTAM Protein with C-terminal mouse Fc tag |
| Delivery | In Stock |
| Uniprot ID | O95727 |
| Expression Host | HEK293 |
| Tag | C-mouse Fc tag |
| Molecular Characterization | CRTAM(Ser18-Gly287) mFc(Pro99-Lys330) |
| Molecular Weight | 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 approximately 70-100 kDa due to glycosylation. |
| Purity | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| Formulation & Reconstitution | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| Storage & Shipping | 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 at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| Background | 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 domains (Yeh et al., 2008 [PubMed 18329370]). [supplied by OMIM, Feb 2009] |
| Usage | Research use only |
| Conjugate | Unconjugated |



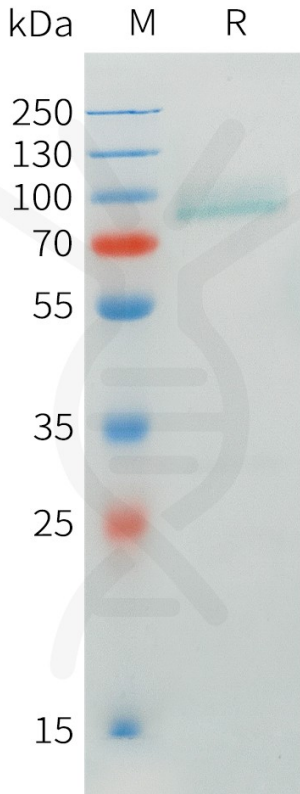


Figure 1. Human CRTAM Protein, mFc Tag on SDS-PAGE under reducing condition.

Human CRTAM, mFc Tagged protein ELISA

0.2 µg of Human CRTAM, mFc tagged protein per well

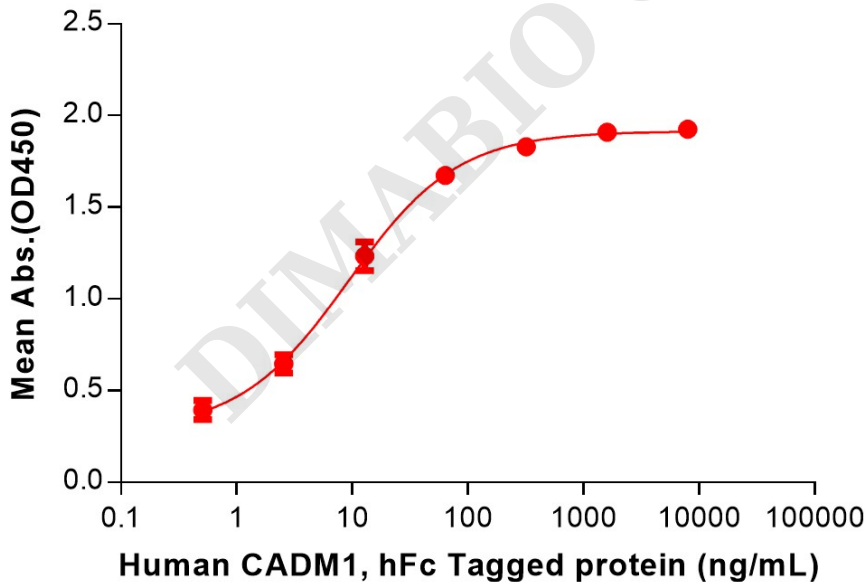


Figure 2. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human CRTAM Protein, mFc Tag (PME101547) can bind Human CADM1 Protein, hFc Tag (PME101544) in a linear range of 0.51-64 ng/mL.



Human CRTAM, mFc Tagged protein ELISA

0.2 μ g of Human CRTAM, mFc tagged protein per well

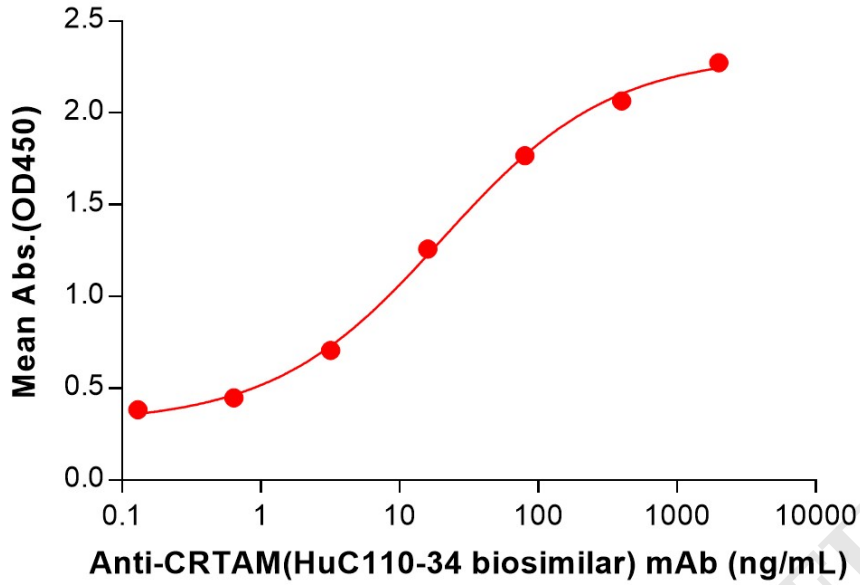


Figure 3. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human CRTAM Protein, mFc Tag (PME101547) can bind Anti-CRTAM(HuC110-34 biosimilar) mAb (BME100227) in a linear range of 3.20-400 ng/mL.

