PRODUCT INFORMATION

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

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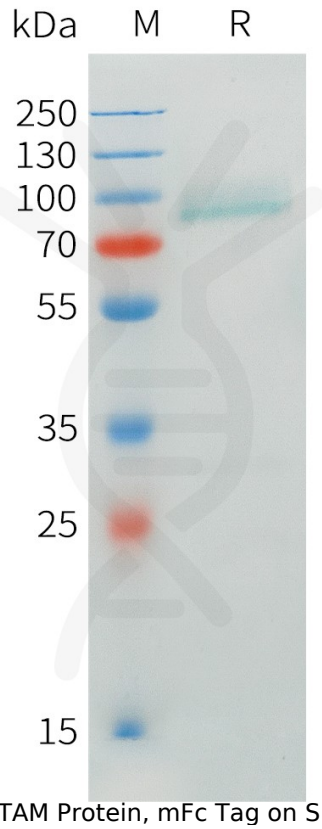


Figure 1. Human CRTAM Protein, mFc Tag on SDS-PAGE under reducing condition.

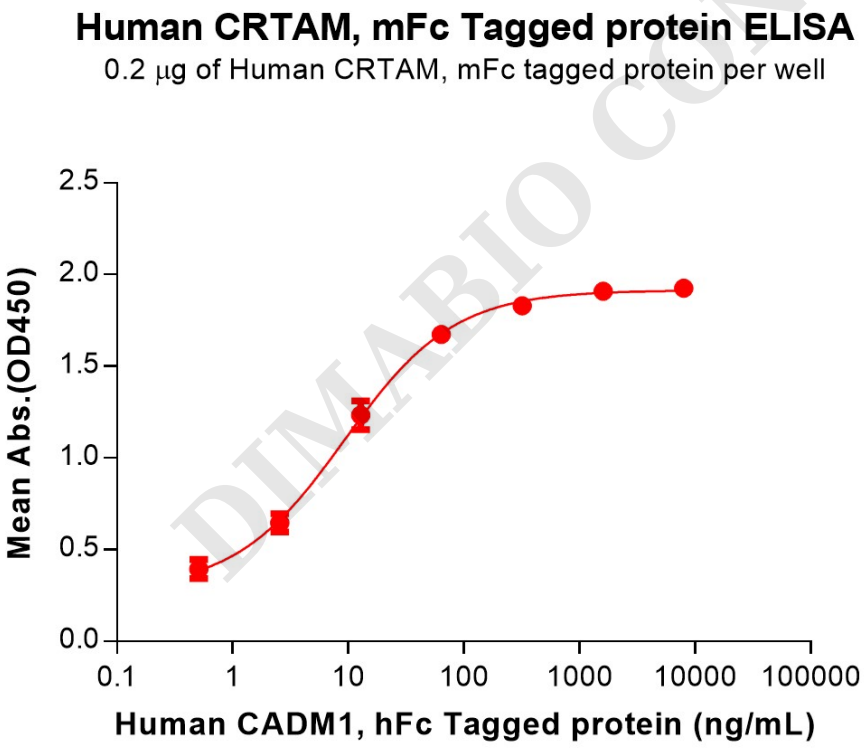


Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human CRTAM Protein, mFc Tag (PME101547) can bind Human CADM1 Protein, hFc Tag (PME101544) in a linear range of 0.51–64 ng/mL.

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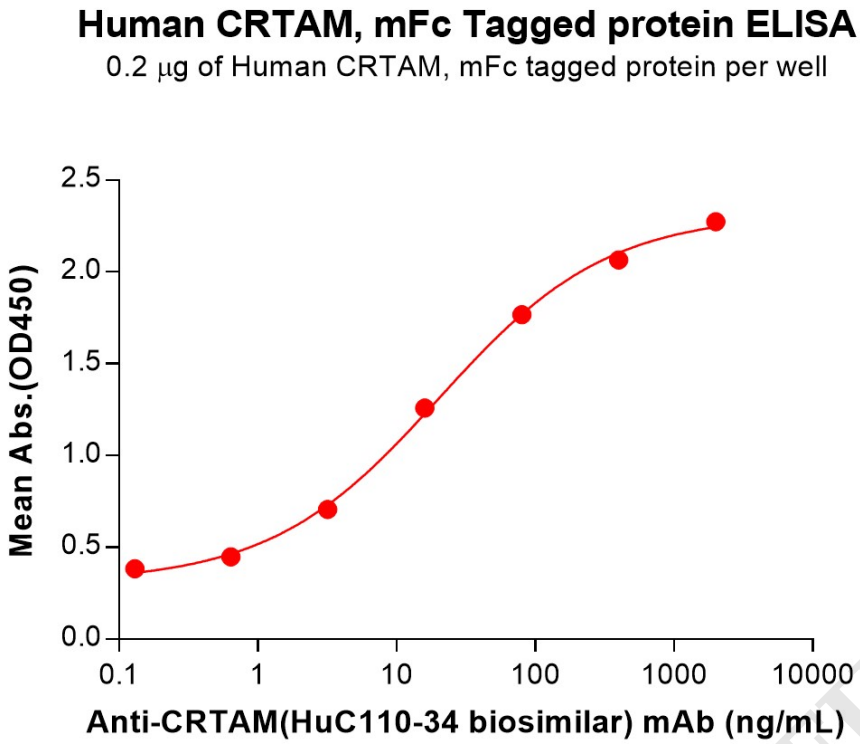


Figure 3. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human CRTAM Protein, mFc Tag (PME101547) can bind Anti-CRTAM(HuC110-34 biosimilar) mAb (BME100227) in a linear range of 3.20–400 ng/mL.

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