

**PRODUCT INFORMATION**

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| <b>Target</b>                           | CRTAM  |
| <b>Synonyms</b>                         | CD355  |
| <b>Description</b>                      | Recombinant human CRTAM Protein with C-terminal human Fc tag   |
| <b>Delivery</b>                         | In Stock   |
| <b>Uniprot ID</b>                       | O95727   |
| <b>Expression Host</b>                  | HEK293   |
| <b>Tag</b>                              | C-Human Fc tag   |
| <b>Molecular Characterization</b>       | CRTAM(Ser18-Gly287) hFc(Glu99-Ala330)  |
| <b>Molecular Weight</b>                 | The protein has a predicted molecular mass of 56.1 kDa after removal of the signal peptide. The apparent molecular mass of CRTAM-hFc is approximately 70-100 kDa due to glycosylation.   |
| <b>Purity</b>                           | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.   |
| <b>Formulation &amp; Reconstitution</b> | 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.   |
| <b>Storage &amp; Shipping</b>           | 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.        |
| <b>Background</b>                       | 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] |
| <b>Usage</b>                            | Research use only  |
| <b>Conjugate</b>                        | Unconjugated   |



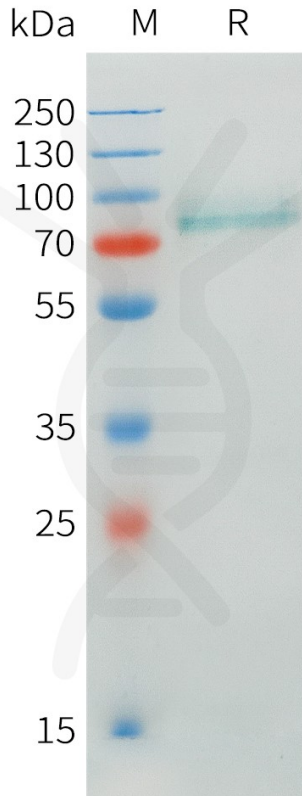


Figure 1. Human CRTAM Protein, hFc Tag on SDS-PAGE under reducing condition.

### Human CRTAM, hFc Tagged protein ELISA

0.2  $\mu\text{g}$  of Human CRTAM, hFc tagged protein per well

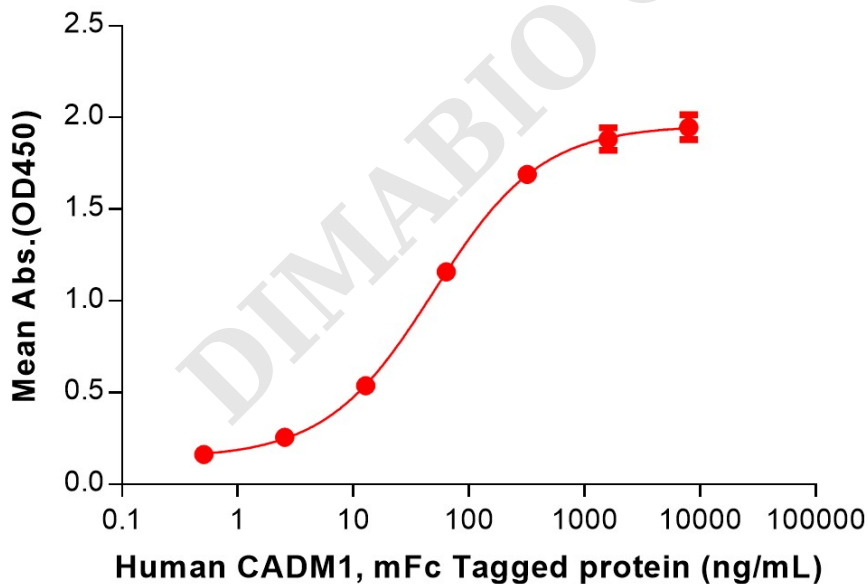


Figure 2. ELISA plate pre-coated by 2  $\mu\text{g}/\text{mL}$  (100  $\mu\text{L}/\text{well}$ ) Human CRTAM Protein, hFc Tag (PME101546) can bind Human CADM1 Protein, mFc Tag (PME101545) in a linear range of 2.56-320 ng/mL.

