

## PRODUCT INFORMATION

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|---|---|
| <b>Target</b>                           | CADM1   |
| <b>Synonyms</b>                         | BL2; ST17; IGSF4; NECL2; RA175; TSLC1; IGSF4A; Necl-2; SYNCAM; sIGSF; sTSLC-1; synCAM1  |
| <b>Description</b>                      | Recombinant human CADM1 Protein with C-terminal human Fc tag  |
| <b>Delivery</b>                         | In Stock  |
| <b>Uniprot ID</b>                       | Q9BY67  |
| <b>Expression Host</b>                  | HEK293  |
| <b>Tag</b>                              | C-Human Fc tag  |
| <b>Molecular Characterization</b>       | CADM1(Gln45-His374) hFc(Glu99-Ala330)   |
| <b>Molecular Weight</b>                 | The protein has a predicted molecular mass of 63.2 kDa after removal of the signal peptide. The apparent molecular mass of CADM1-hFc is approximately 70-130 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>                       | Enables signalling receptor binding activity. Involved in several processes, including cell recognition; positive regulation of cytokine production; and susceptibility to natural killer cell mediated cytotoxicity. Located in plasma membrane. Implicated in breast carcinoma and prostate cancer. Biomarker of cervix uteri carcinoma in situ. [provided by Alliance of Genome Resources, Apr 2022] |
| <b>Usage</b>                            | Research use only   |
| <b>Conjugate</b>                        | Unconjugated  |



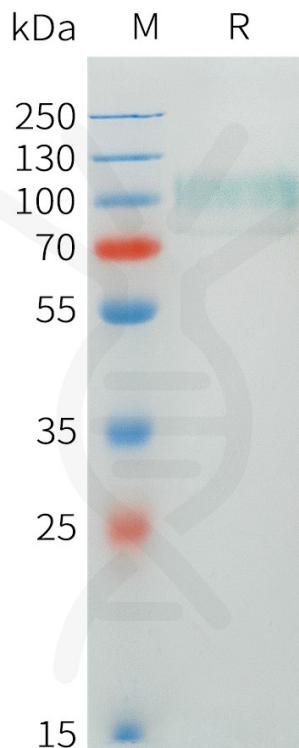
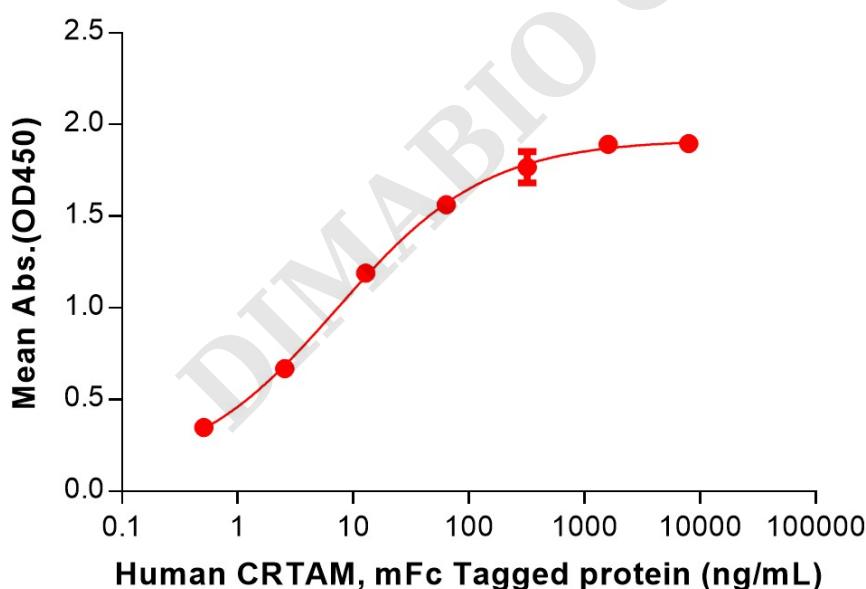


Figure 1. Human CADM1 Protein, hFc Tag on SDS-PAGE under reducing condition.

### Human CADM1, hFc Tagged protein ELISA

0.2  $\mu$ g of Human CADM1, hFc tagged protein per well

Figure 2. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human CADM1 Protein, hFc Tag (PME101544) can bind Human CRTAM Protein, mFc Tag (PME101547) in a linear range of 0.51-320 ng/mL.