

## PRODUCT INFORMATION

<b>Target</b>	CD2
<b>Synonyms</b>	LFA-2;SRBC;T11
<b>Description</b>	Recombinant Human CD2 Protein with C-terminal human Fc tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P06729
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-Human Fc Tag
<b>Molecular Characterization</b>	CD2(Lys25-Asp209) hFc(Glu99-Ala330)
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 47.4 kDa after removal of the signal peptide. The apparent molecular mass of CD2-hFc is approximately 55-70 kDa due to glycosylation.
<b>Purity</b>	The purity of the protein is greater than 90% 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 protein encoded by this gene is a surface antigen found on all peripheral blood T-cells. The encoded protein interacts with LFA3 (CD58) on antigen presenting cells to optimize immune recognition. A locus control region (LCR) has been found in the 3' flanking sequence of this gene. [provided by RefSeq, Jun 2016]
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



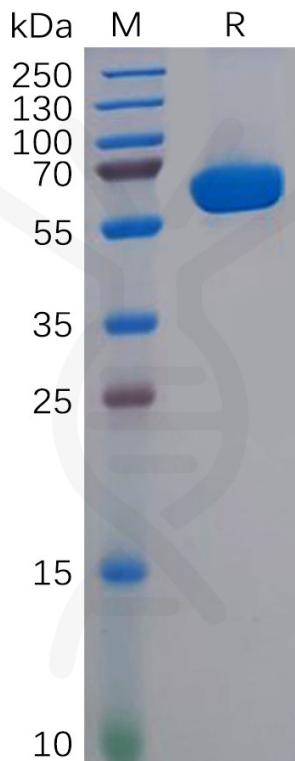
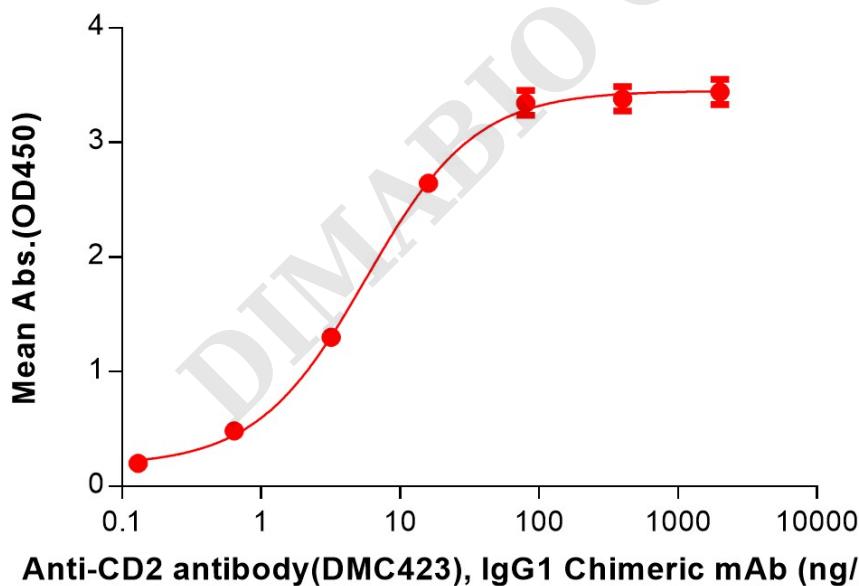


Figure 1. Human CD2 Protein, hFc Tag on SDS-PAGE under reducing condition.

### Human CD2, hFc Tagged protein ELISA

0.2  $\mu$ g of Human CD2, hFc tagged protein per well

Figure 2. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human CD2 Protein, hFc Tag (PME100595) can bind Anti-CD2 antibody(DMC423), IgG1 Chimeric mAb in a linear range of 0.64–16 ng/mL.

## Human CD2, hFc Tagged protein ELISA

0.2 µg of Human CD58, His tagged protein per well

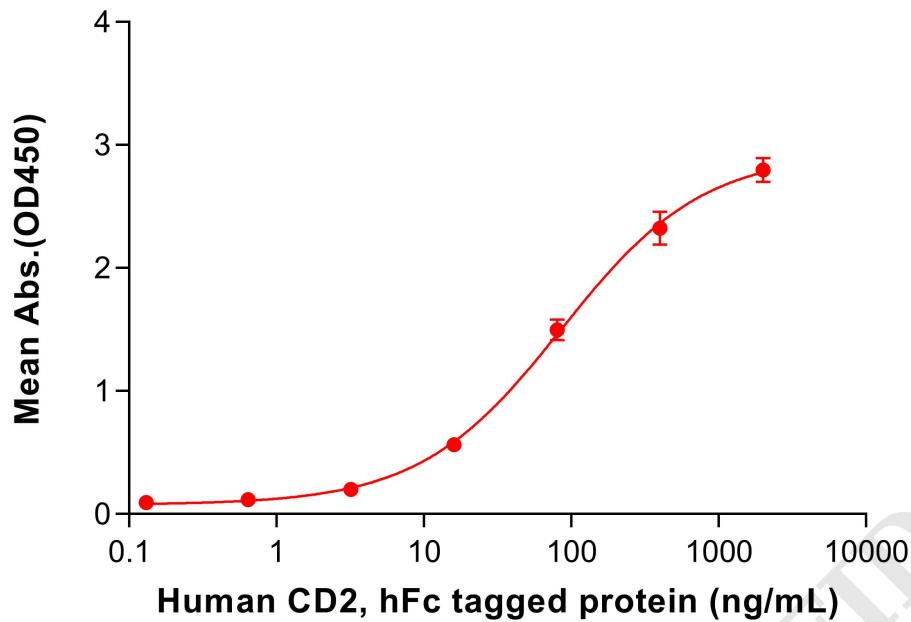


Figure 3. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human CD58 Protein, His Tag (PME101761) can bind Human CD2 Protein, hFc Tag (PME100595) in a linear range of 16–80 ng/mL.

