

## PRODUCT INFORMATION

<b>Target</b>	CD7
<b>Synonyms</b>	CD7;GP40;TP41;LEU-9;Tp40
<b>Description</b>	Recombinant human CD7 protein with C-terminal mouse Fc tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P09564
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-Mouse Fc Tag
<b>Molecular Characterization</b>	CD7(Ala26-Pro180) mFc(Pro99-Lys330)
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 42.7 kDa after removal of the signal peptide. The apparent molecular mass of CD7-mFc 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>	This gene encodes a transmembrane protein which is a member of the immunoglobulin superfamily. This protein is found on thymocytes and mature T cells. It plays an essential role in T-cell interactions and also in T-cell/B-cell interaction during early lymphoid development.
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



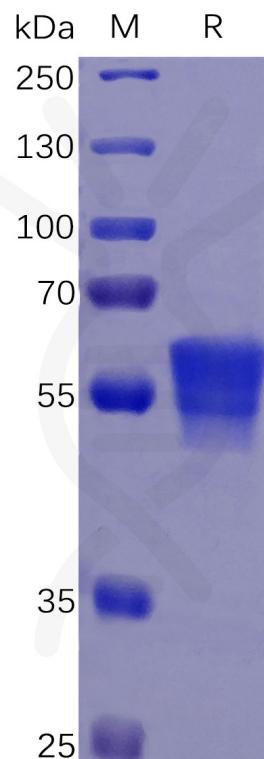
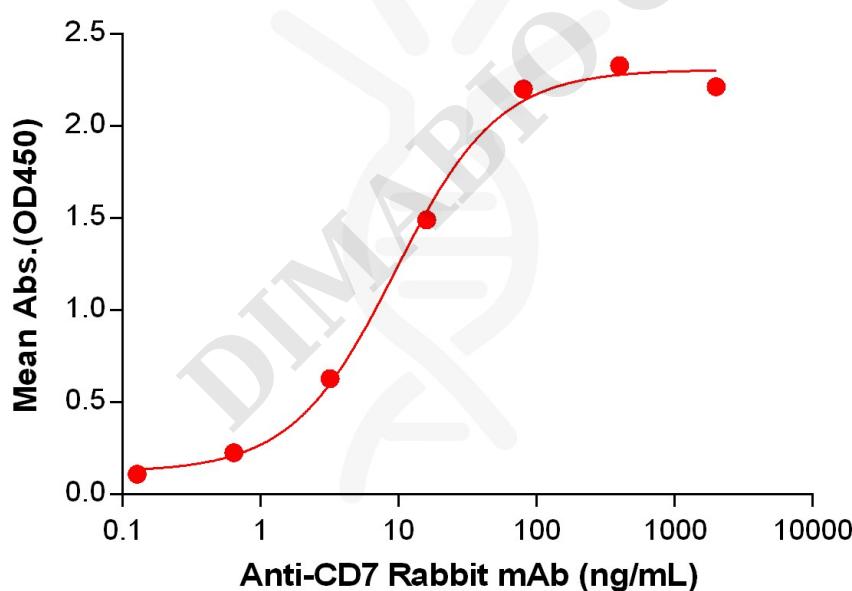


Figure 1. Human CD7 Protein, mFc Tag on SDS-PAGE under reducing condition.

### Human CD7, mFc tagged protein ELISA

0.1  $\mu$ g of Human CD7, mFc tagged protein per well

Figure 2. ELISA plate pre-coated by 1  $\mu$ g/mL (100  $\mu$ L/well) Human CD7 Protein, mFc Tag (PME100464) can bind Anti-CD7 Rabbit mAb in a linear range of 3.2-80 ng/mL.

## Human CD7, mFc Tagged Protein ELISA

0.2 µg of Human CD7, mFc tagged protein per well

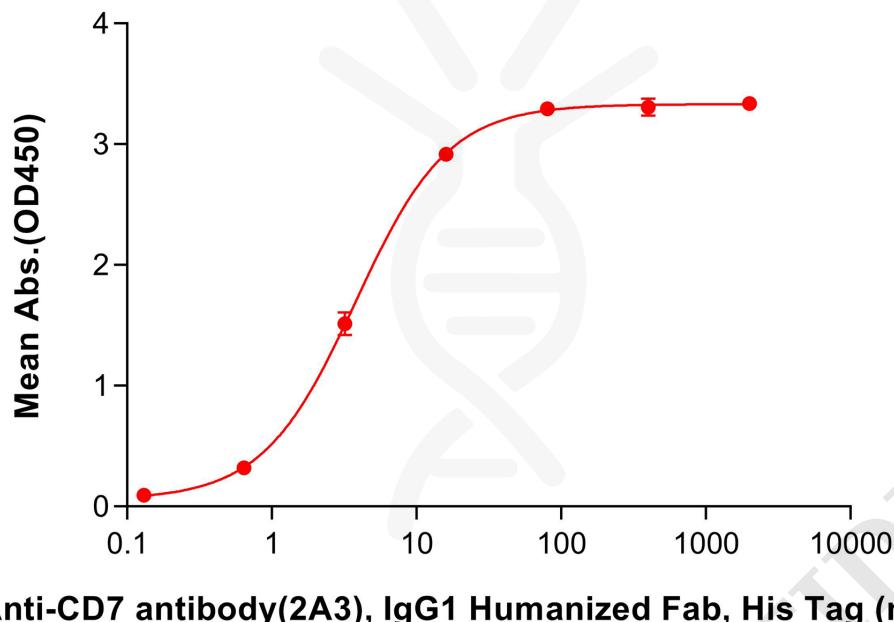


Figure 3. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human CD7 Protein, mFc Tag (PME100464) can bind Anti-CD7 antibody(2A3), IgG1 Humanized Fab, His Tag (CME5198-1) in a linear range of 1.6-8.0ng/mL.

