

PRODUCT INFORMATION

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| Target | CD7 |
| Synonyms | CD7;GP40;TP41;LEU-9;Tp40 |
| Description | Recombinant human CD7 protein with C-terminal mouse Fc tag |
| Delivery | In Stock |
| Uniprot ID | P09564 |
| Expression Host | HEK293 |
| Tag | C-Mouse Fc Tag |
| Molecular Characterization | CD7(Ala26-Pro180) mFc(Pro99-Lys330) |
| Molecular Weight | 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. |
| Purity | The purity of the protein is greater than 90% 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 | 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. |
| Usage | Research use only |
| Conjugate | Unconjugated |



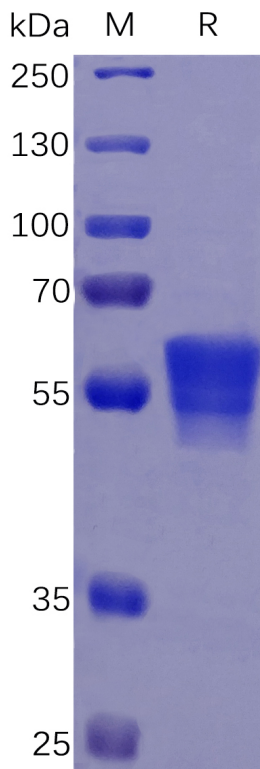


Figure 1. Human CD7 Protein, mFc Tag on SDS-PAGE under reducing condition.

Human CD7, mFc tagged protein ELISA

0.1 μ g of Human CD7, mFc tagged protein per well

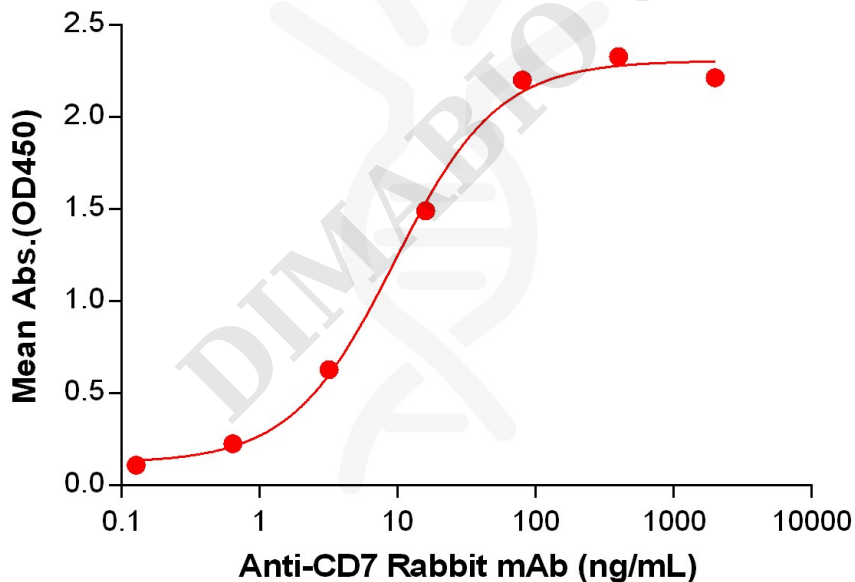


Figure 2. ELISA plate pre-coated by 1 μ g/mL (100 μ L/well) Human CD7 Protein, mFc Tag (PME100464) can bind Anti-CD7 Rabbit mAb in a linear range of 3.2-80 ng/mL.

