

PRODUCT INFORMATION

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| Target | CD3E |
| Synonyms | CD3e;T3E |
| Description | Recombinant human CD3E protein with C-terminal human Fc tag |
| Delivery | In Stock |
| Uniprot ID | P07766 |
| Expression Host | HEK293 |
| Tag | C-Human Fc Tag |
| Molecular Characterization | CD3E(Asp23-Asp126) hFc(Glu99-Ala330) |
| Molecular Weight | The protein has a predicted molecular mass of 37.9 kDa after removal of the signal peptide. The apparent molecular mass of CD3E-hFc is approximately 35-55 kDa due to glycosylation. |
| Purity | The purity of the protein is greater than 95% 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 | The protein encoded by this gene is the CD3-epsilon polypeptide, which together with CD3-gamma, -delta and -zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T-cell receptor-CD3 complex. This complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. The genes encoding the epsilon, gamma and delta polypeptides are located in the same cluster on chromosome 11. The epsilon polypeptide plays an essential role in T-cell development. Defects in this gene cause immunodeficiency. This gene has also been linked to a susceptibility to type I diabetes in women. [provided by RefSeq, Jul 2008] |
| Usage | Research use only |
| Conjugate | Unconjugated |



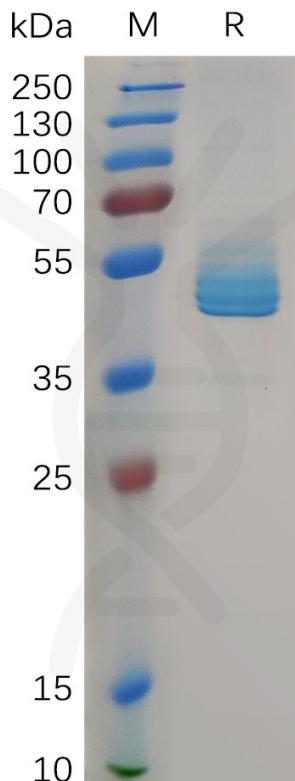
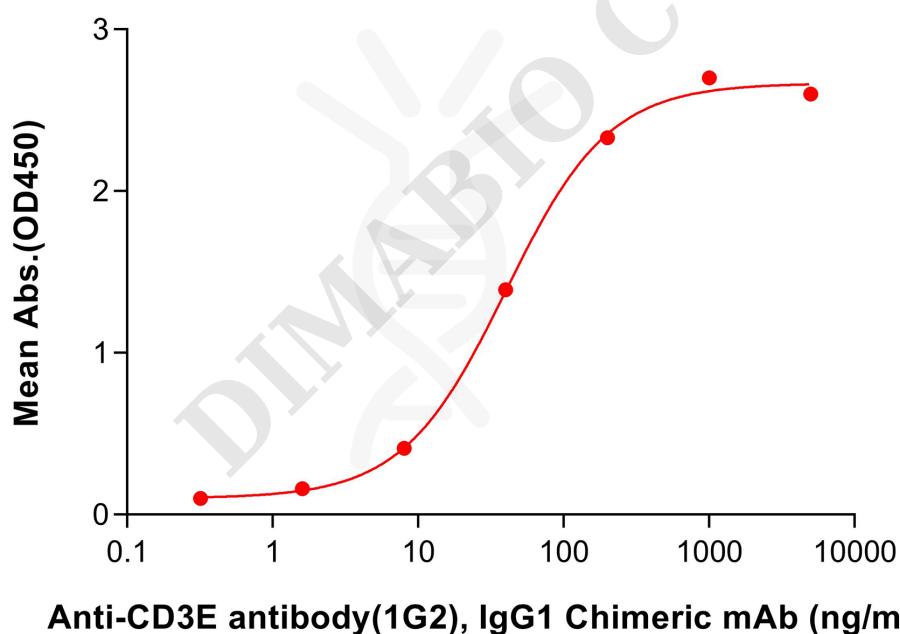


Figure 1. Human CD3E Protein, hFc Tag on SDS-PAGE under reducing condition.

Human CD3E, hFc Tagged Protein ELISA

0.2 μ g of Human CD3E, hFc tagged protein per well

Figure 2. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human CD3E Protein, hFc Tag (PME100828) can bind Anti-CD3E antibody(1G2), IgG1 Chimeric mAb (DMC101085) in a linear range of 8.0-40 ng/mL.