

PRODUCT INFORMATION

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| Target | CD8A |
| Synonyms | CD8; p32; Leu2; IMD116; CD8alpha |
| Description | Recombinant human CD8A Acidic tail Protein with C-terminal 6×His tag |
| Delivery | In Stock |
| Uniprot ID | P01732 |
| Expression Host | HEK293 |
| Tag | C-6×His tag |
| Molecular Characterization | CD8A(Ser22-Asp182) Acidic tail 6×His tag |
| Molecular Weight | The protein has a predicted molecular mass of 19.5 kDa after removal of the signal peptide. |
| Purity | The purity of the protein is greater than 85% 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 CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-cell interactions within the immune system. The CD8 antigen acts as a coreceptor with the T-cell receptor on the T lymphocyte to recognize antigens displayed by an antigen presenting cell in the context of class I MHC molecules. The coreceptor functions as either a homodimer composed of two alpha chains or as a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains. This gene encodes the CD8 alpha chain. Multiple transcript variants encoding different isoforms have been found for this gene. The major protein isoforms of this gene differ by the presence or absence of a transmembrane domain and thus differ in being a membrane-anchored or secreted protein. [provided by RefSeq, May 2020] |
| Usage | Research use only |
| Conjugate | Unconjugated |



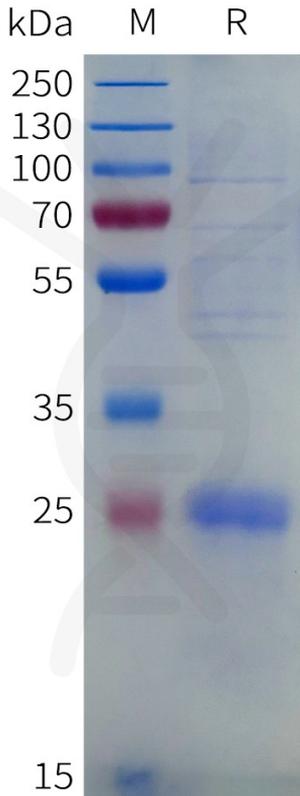
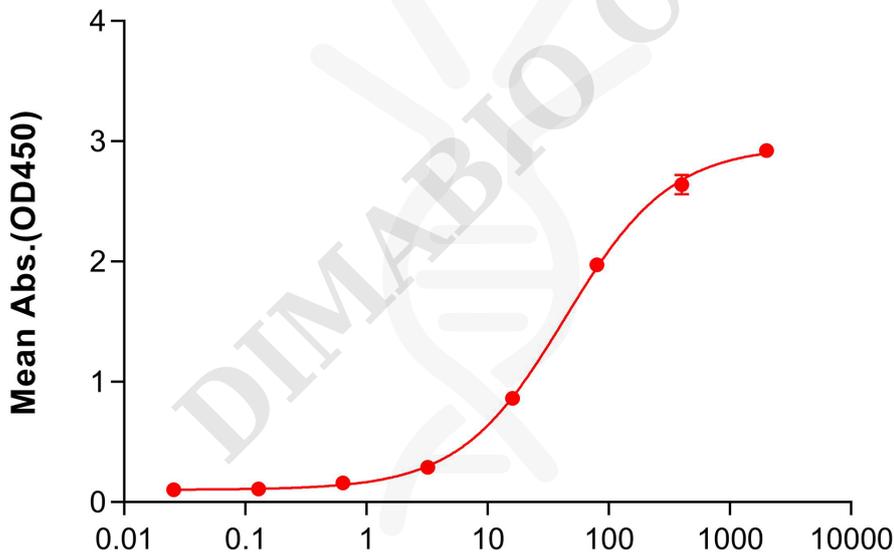


Figure 1. Human CD8A Acidic tail Protein, His Tag on SDS-PAGE under reducing condition.

Human CD8A Acidic tail, His tagged protein ELISA

1 µg of Human CD8A Acidic tail, His tagged protein per well



Anti-CD8A antibody(2E7), IgG1 Chimeric mAb (ng/mL)

Figure 2. ELISA plate pre-coated by 1 µg/mL (100 µL/well) Human CD8A Acidic tail Protein, His Tag (PME101830) can bind Anti-CD8A antibody(2E7), IgG1 Chimeric mAb (DMC101690) in a linear range of 16-80 ng/mL.

