

PRODUCT INFORMATION

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|---|---|
| Target | CD73 |
| Synonyms | CALJA;CD73;E5NT;eN;eNT;NT;NT5;NTE |
| Description | Recombinant Human CD73 Protein with C-terminal human Fc tag |
| Delivery | In Stock |
| Uniprot ID | P21589 |
| Expression Host | HEK293 |
| Tag | C-Human Fc Tag |
| Molecular Characterization | CD73(Trp27-Ser549) hFc(Glu99-Ala330) |
| Molecular Weight | The protein has a predicted molecular mass of 84.1 kDa after removal of the signal peptide. The apparent molecular mass of CD73-hFc is approximately 55-100 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. |
| Sterility | Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use. |
| Background | The protein encoded by this gene is a plasma membrane protein that catalyzes the conversion of extracellular nucleotides to membrane-permeable nucleosides. The encoded protein is used as a determinant of lymphocyte differentiation. Defects in this gene can lead to the calcification of joints and arteries. Two transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Mar 2011] |
| Usage | Research use only |
| Conjugate | Unconjugated |



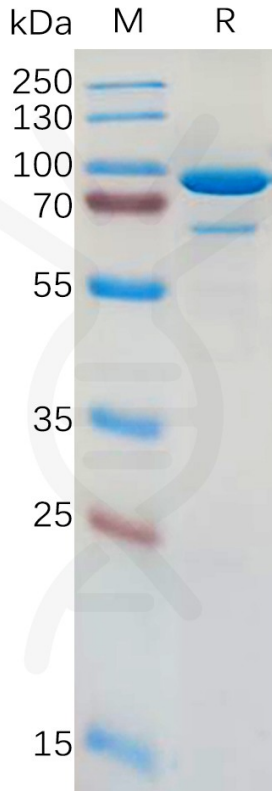


Figure 1. Human CD73 Protein, hFc Tag on SDS-PAGE under reducing condition.

Human CD73, hFc Tagged protein ELISA

0.2 µg of Human CD73, hFc tagged protein per well

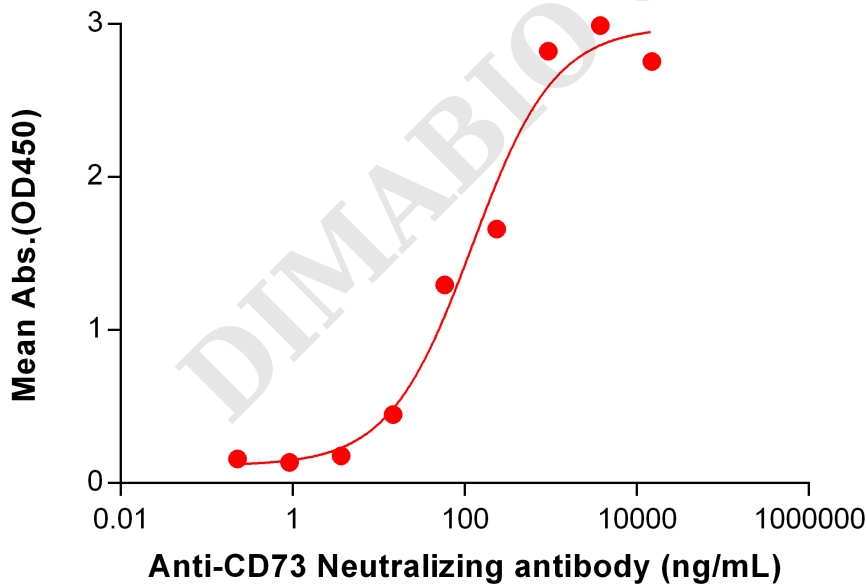


Figure 2. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human CD73 Protein, hFc Tag (PME100829) can bind Anti-CD73 Neutralizing antibody (BME100129) in a linear range of 3.66-937.50 ng/mL.



Human CD73, hFc Tagged protein ELISA

0.2 µg of Human CD73, hFc tagged protein per well

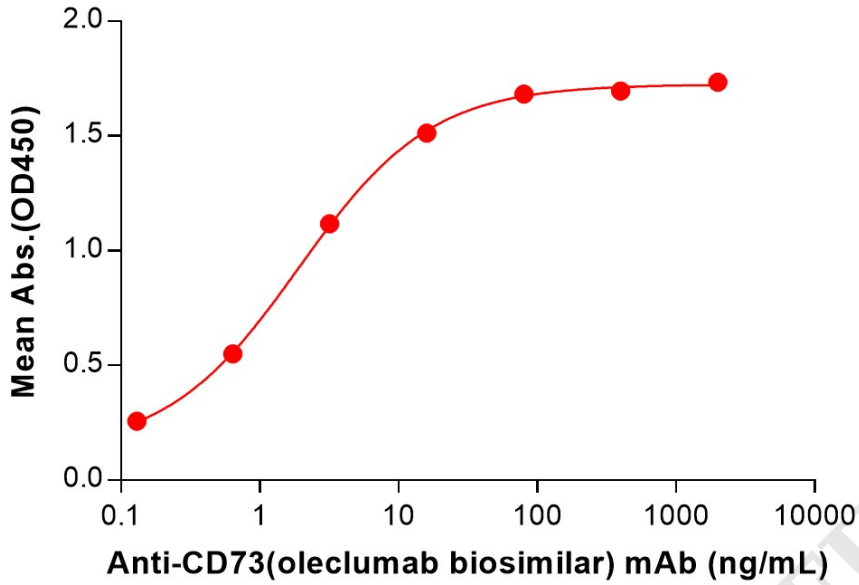


Figure 3. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human CD73 Protein, hFc Tag (PME100829) can bind Anti-CD73(oleclumab biosimilar) mAb (BME100217) in a linear range of 0.13-16 ng/mL.

