

PRODUCT INFORMATION

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.
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 μ g of Human CD73, hFc tagged protein per well

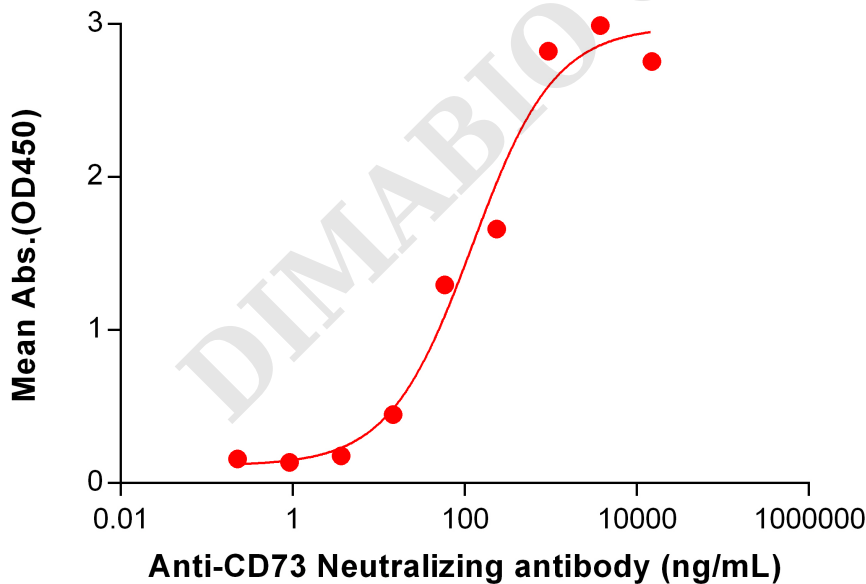


Figure 2. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human CD73 Protein, hFc Tag (PME100829) can bind Anti-CD73 Neutralizing antibody (BME100129) in a linear range of 3.66-937.50 ng/mL.



Human CD73, hFc Tagged protein ELISA

0.2 μg of Human CD73, hFc tagged protein per well

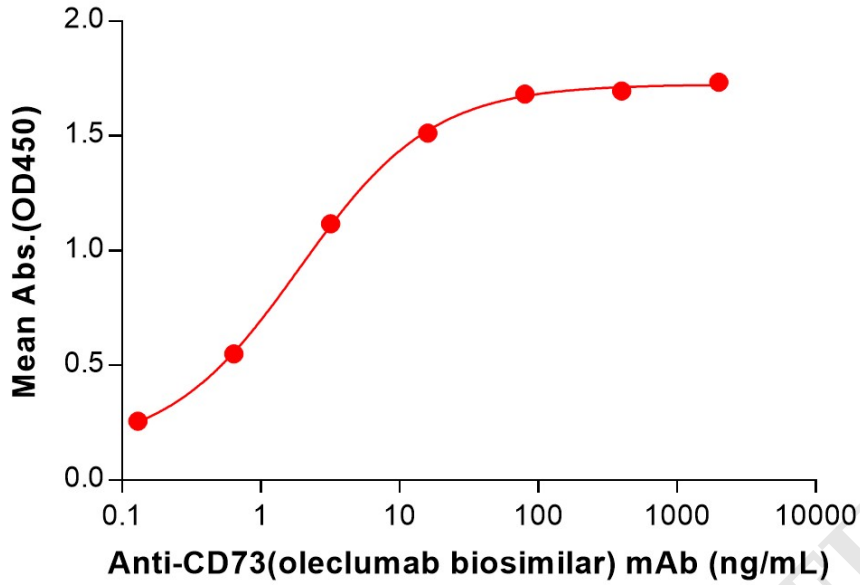


Figure 3. ELISA plate pre-coated by 2 $\mu\text{g}/\text{mL}$ (100 $\mu\text{L}/\text{well}$) Human CD73 Protein, hFc Tag (PME100829) can bind Anti-CD73(oleclumab biosimilar) mAb (BME100217) in a linear range of 0.13-16 ng/mL.

