

HUMAN CD73 PROTEIN, HFC TAG

Cat.#: 11610

Product Name: Human CD73 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: CALJA;CD73;E5NT;eN;eNT;NT;NT5;NTE

Target: CD73

UNIPROT ID: P21589

Description: Recombinant Human CD73 Protein with C-terminal human Fc tag

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]

Species/Host: HEK293

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.

Molecular Characterization: CD73(Trp27-Ser549) hFc(Glu99-Ala330)

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

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.

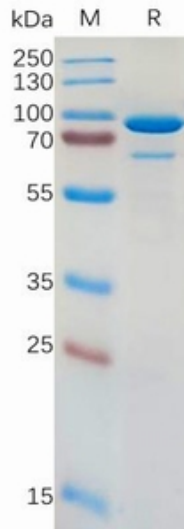


Figure 1. Human CD73 Protein, hFc Tag on SDS-PAGE under reducing condition.

Human CD73, hFc Tagged protein ELISA
0.2 μ g of Human CD73, hFc tagged protein per well

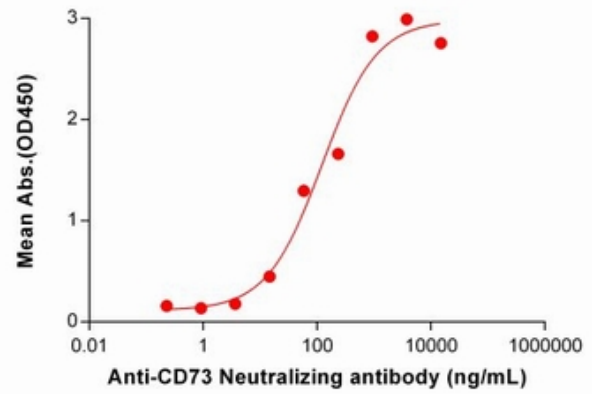


Figure 2. ELISA plate pre-coated by 2 μ g/ml (100 μ l/well) Human CD73 Protein, hFc Tag (11610) can bind Anti-CD73 Neutralizing antibody 28124 in a linear range of 3.66-937.50 ng/mL.