

## 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.

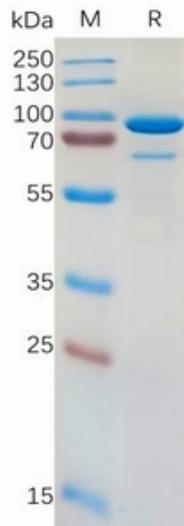


Figure 1. Human CD73 Protein, hFc Tag on SDS-PAGE under reducing condition.

Human CD73, hFc Tagged protein ELISA  
0.2  $\mu$ g of Human CD73, hFc tagged protein per well

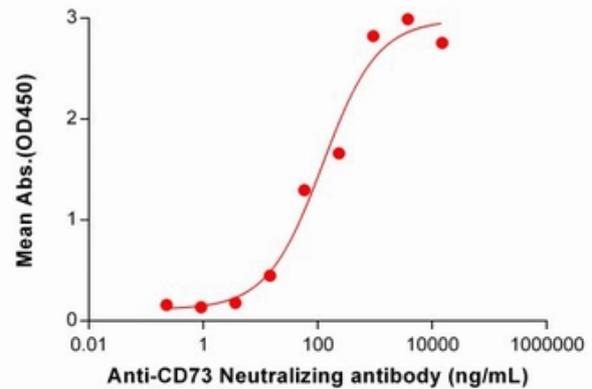


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/ml (100  $\mu$ l/well) Human CD73 Protein, hFc Tag (11610) can bind Anti-CD73 Neutralizing antibody 28124 in a linear range of 3.66-937.50 ng/mL.