

HUMAN CD7 PROTEIN, MFC TAG**Cat.#:** 11276**Product Name:** Human CD7 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** CD7;P40;P41;EU-9;p40**Target:** CD7**UNIPROT ID:** P09564**Description:** Recombinant human CD7 protein with C-terminal mouse Fc tag**Background:** This gene encodes a transmembrane protein which is a member of the immunoglobulin superfamily. This protein is found on thymocytes and mature T cells. It plays an essential role in T-cell interactions and also in T-cell/B-cell interaction during early lymphoid development.**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 42.7 kDa after removal of the signal peptide. The apparent molecular mass of CD7-mFc is approximately 55–70 kDa due to glycosylation.**Molecular Characterization:** CD7(Ala26–Pro180) mFc(Pro99–Lys330)**Purity:** The purity of the protein is greater than 90% 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.

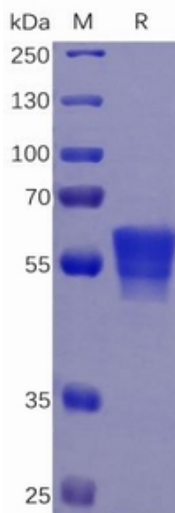


Figure 1. Human CD7 Protein, mFc Tag on SDS-PAGE under reducing condition.

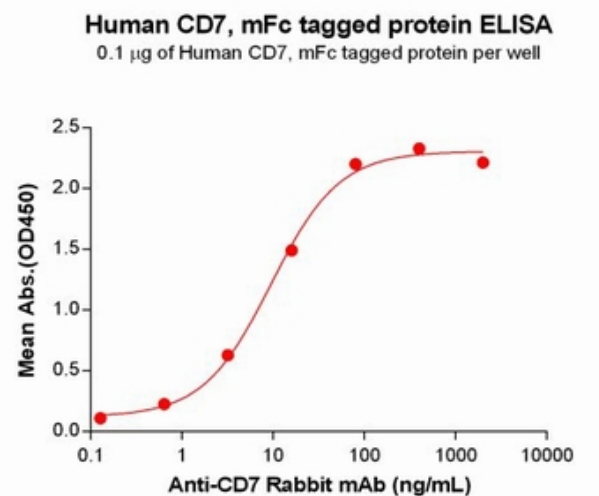


Figure 2. ELISA plate pre-coated by 1 µg/ml (100 µl/well) Human CD7 Protein, mFc Tag (11276) can bind Anti-CD7 Rabbit mAb in a linear range of 3.2-80 ng/mL.