

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.

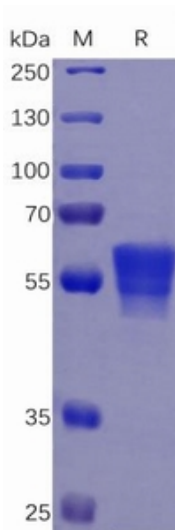


Figure 1. Human CD7 Protein, mFc Tag on SDS-PAGE under reducing condition.

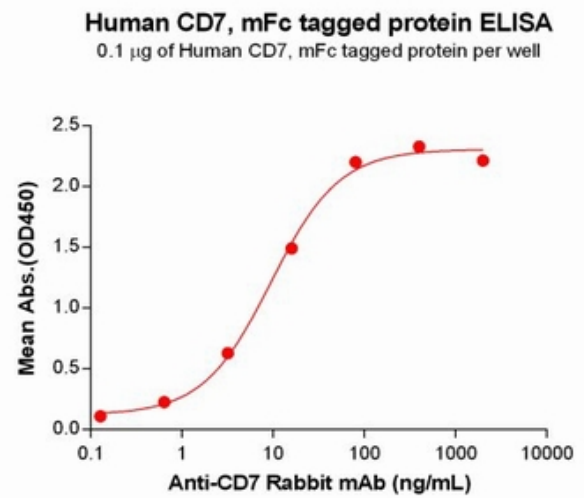


Figure 2. ELISA plate pre-coated by 1 µg/ml (100 µl/well) Human CD7 Protein, mFc Tag (11276) can bind Anti-CD7 Rabbit mAb in a linear range of 3.2-80 ng/mL.