

HUMAN ICOS PROTEIN, HFC TAG

Cat.#: 11292

Product Name: Human ICOS Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: ICOS;CD278;ALIM;Inducible T-cell costimulator

Target: ICOS

UNIPROT ID: Q9Y6W8

Description: Recombinant human ICOS protein with C-terminal human Fc tag

Background: The protein encoded by this gene belongs to the CD28 and CTLA-4 cell-surface receptor family. It forms homodimers and plays an important role in cell-cell signaling, immune responses, and regulation of cell proliferation.

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 39.7 kDa after removal of the signal peptide. The apparent molecular mass of ICOS-hFc is approximately 55 kDa due to glycosylation.

Molecular Characterization: ICOS(Glu21-Lys140) 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.

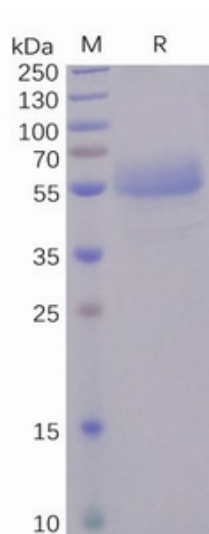


Figure 1. Human ICOS Protein, hFc Tag on SDS-PAGE under reducing condition.

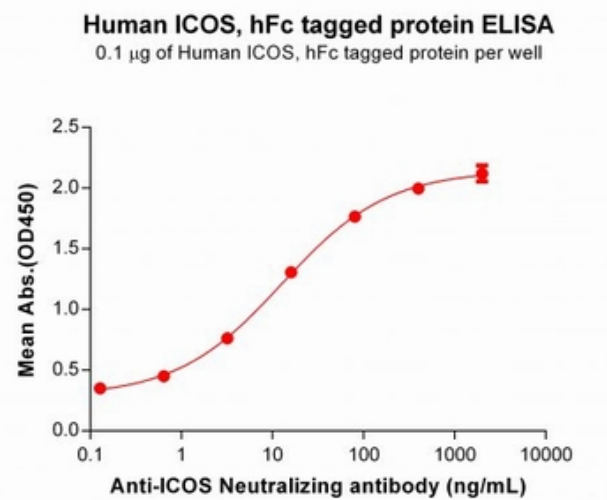


Figure 2. ELISA plate pre-coated by 1 $\mu\text{g/ml}$ (100 $\mu\text{l/well}$) Human ICOS protein, hFc Tag (11292) can bind Anti-ICOS Neutralizing antibody 28021 in a linear range of 0.64-400 ng/mL.