

## 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.

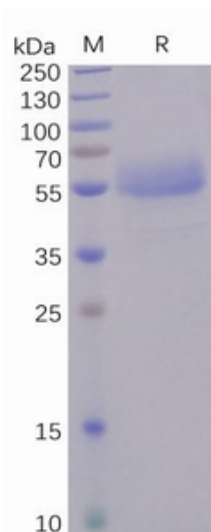


Figure 1. Human ICOS Protein, hFc Tag on SDS-PAGE under reducing condition.

**Human ICOS, hFc tagged protein ELISA**  
0.1  $\mu$ g of Human ICOS, hFc tagged protein per well

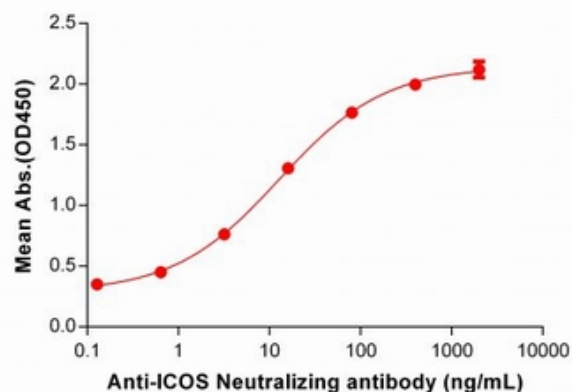


Figure 2. ELISA plate pre-coated by 1  $\mu$ g/ml (100  $\mu$ l/well) Human ICOS protein, hFc Tag (11292) can bind Anti-ICOS Neutralizing antibody 28021 in a linear range of 0.64-400 ng/mL.