

## HUMAN ICOS PROTEIN, MFC-HIS TAG

**Cat.#:** 11154

**Product Name:** Human ICOS Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** ICOS;CD278;AILIM;Inducible T-cell costimulator

**Target:** ICOS

**UNIPROT ID:** Q9Y6W8

**Description:** Recombinant human ICOS protein with C-terminal mouse Fc and 6xHis 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 41.1 kDa after removal of the signal peptide.

**Molecular Characterization:** ICOS(Glu21-Lys140) mFc(Pro99-Lys330) 6×His tag

**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.

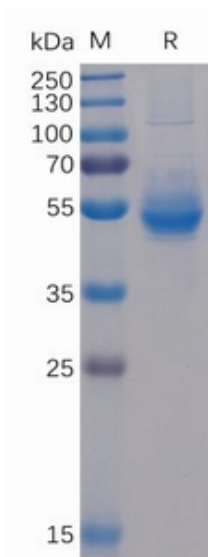


Figure 1. Human ICOS Protein, mFc-His Tag on SDS-PAGE under reducing condition.

## Human ICOS, mFc-His Tagged protein ELISA

0.2  $\mu$ g of Human ICOS, mFc-His Tagged protein per well

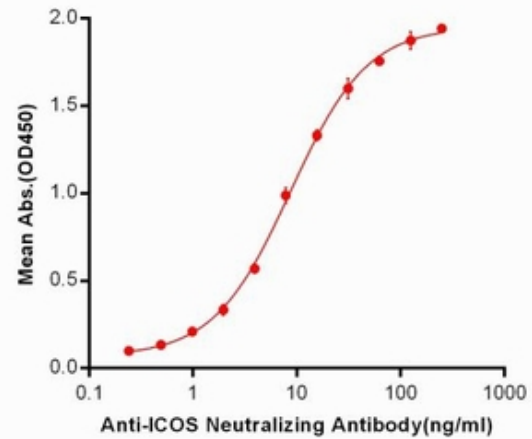


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/ml (100  $\mu$ l/well) Human ICOS, mFc-His tagged protein (11154) can bind Anti-ICOS Neutralizing antibody in a linear range of 0.24-31.25ng/ml.