

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.

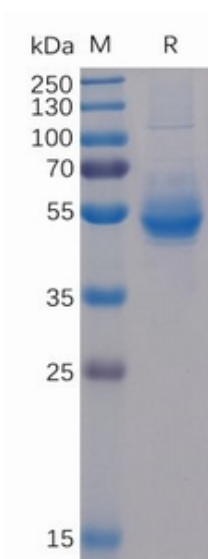


Figure 1. Human ICOS Protein, mFc-His Tag on SDS-PAGE under reducing condition.

Human ICOS, mFc-His Tagged protein ELISA

0.2 μ g of Human ICOS, mFc-His Tagged protein per well

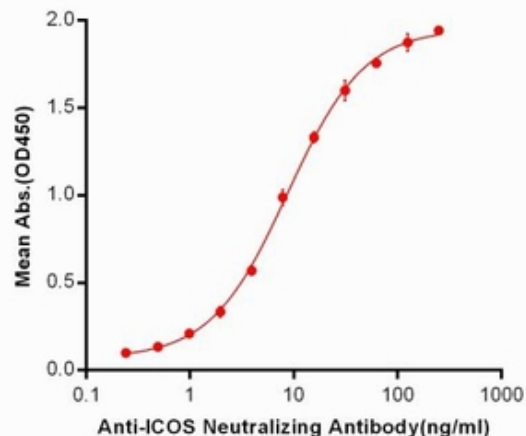


Figure 2. ELISA plate pre-coated by 2 μ g/ml (100 μ l/well) Human ICOS, mFc-His tagged protein (11154) can bind Anti-ICOS Neutralizing antibody in a linear range of 0.24-31.25ng/ml.