

PRODUCT INFORMATION

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| Target | ICOS |
| Synonyms | ICOS;CD278;AILIM;Inducible T-cell costimulator |
| Description | Recombinant human ICOS protein with C-terminal human Fc tag |
| Delivery | In Stock |
| Uniprot ID | Q9Y6W8 |
| Expression Host | HEK293 |
| Tag | C-Human Fc Tag |
| Molecular Characterization | ICOS(Glu21-Lys140) hFc(Glu99-Ala330) |
| 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. |
| Purity | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| Formulation & Reconstitution | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| 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. |
| 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. |
| Usage | Research use only |
| Conjugate | Unconjugated |



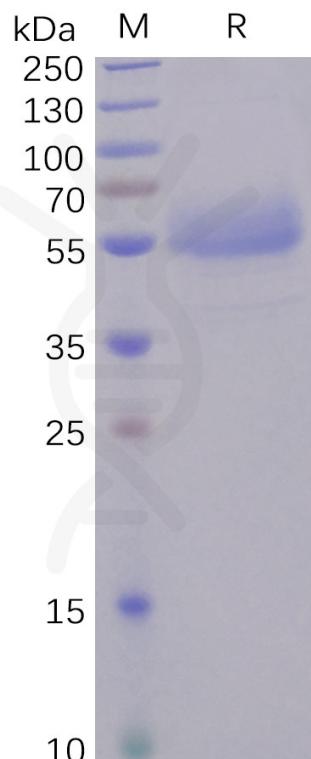
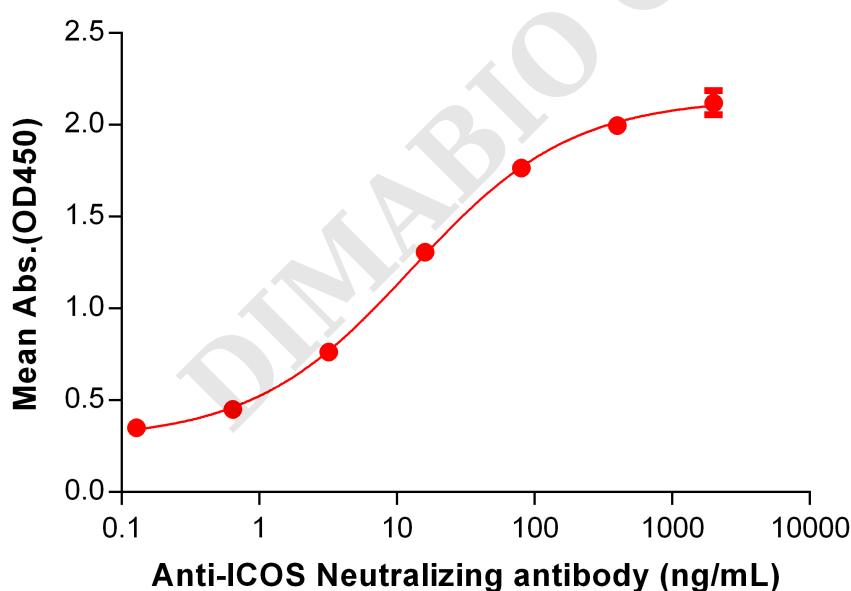


Figure 1. Human ICOS Protein, hFc Tag on SDS-PAGE under reducing condition.

Human ICOS, hFc tagged protein ELISA

0.1 μ g of Human ICOS, hFc tagged protein per well

Figure 2. ELISA plate pre-coated by 1 μ g/mL (100 μ L/well) Human ICOS protein, hFc Tag (PME100484) can bind Anti-ICOS Neutralizing antibody BME100012 in a linear range of 0.64-400 ng/mL.