

**PRODUCT INFORMATION**

<b>Target</b>	ICOS
<b>Synonyms</b>	ICOS;CD278;AILIM;Inducible T-cell costimulator
<b>Description</b>	Recombinant human ICOS protein with C-terminal human Fc tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	Q9Y6W8
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-Human Fc Tag
<b>Molecular Characterization</b>	ICOS(Glu21-Lys140) hFc(Glu99-Ala330)
<b>Molecular Weight</b>	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.
<b>Purity</b>	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
<b>Formulation &amp; Reconstitution</b>	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.
<b>Storage &amp; Shipping</b>	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.
<b>Background</b>	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.
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



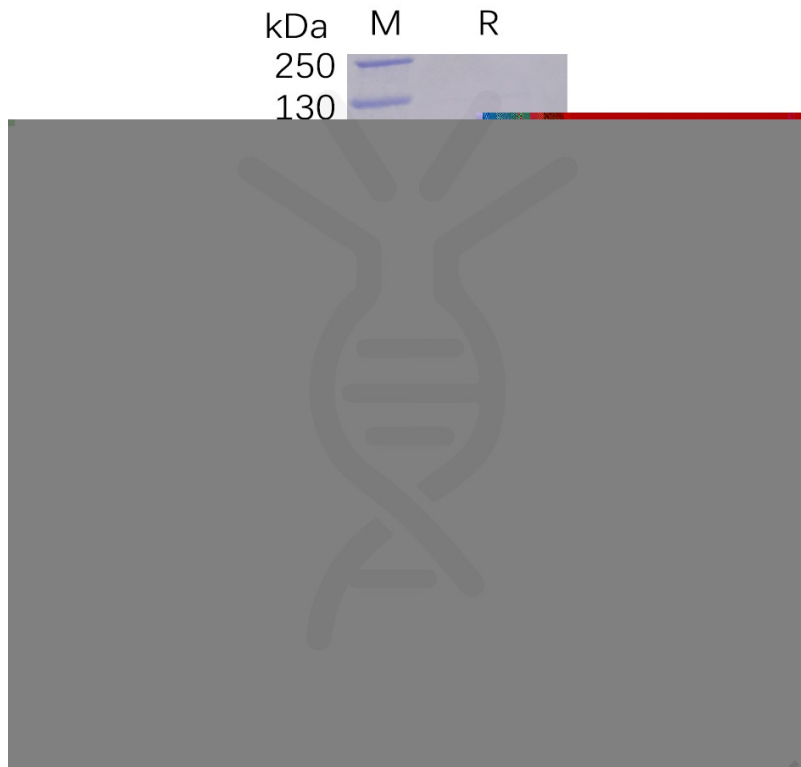


Figure 1. Human ICOS Protein, hFc Tag on SDS-PAGE under reducing condition.

### Human ICOS, hFc tagged protein ELISA

0.1  $\mu\text{g}$  of Human ICOS, hFc tagged protein per well

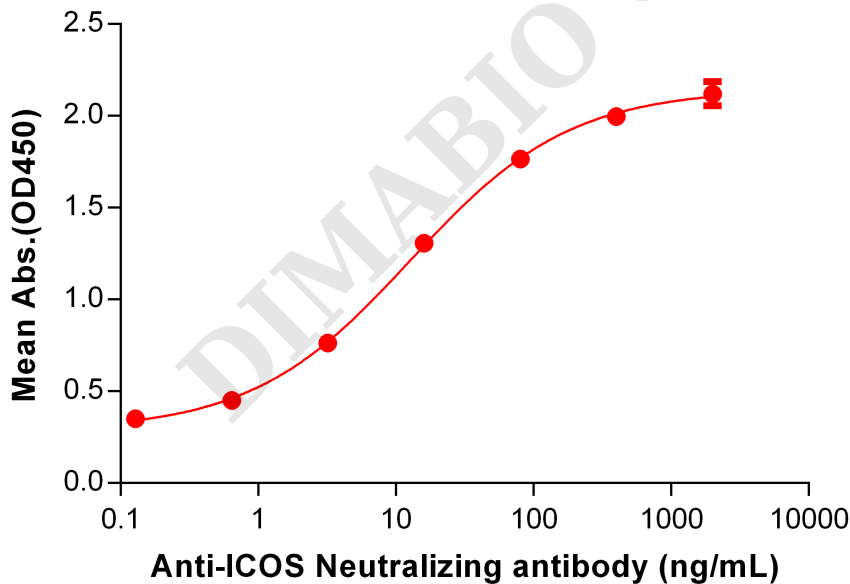


Figure 2. ELISA plate pre-coated by 1  $\mu\text{g}/\text{mL}$  (100  $\mu\text{L}/\text{well}$ ) Human ICOS protein, hFc Tag (PME100484) can bind Anti-ICOS Neutralizing antibody BME100012 in a linear range of 0.64-400 ng/mL.

