PRODUCT INFORMATION

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

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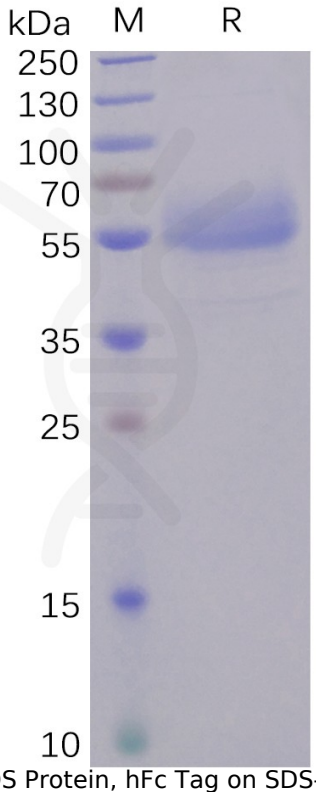


Figure 1. Human ICOS Protein, hFc Tag on SDS-PAGE under reducing condition.

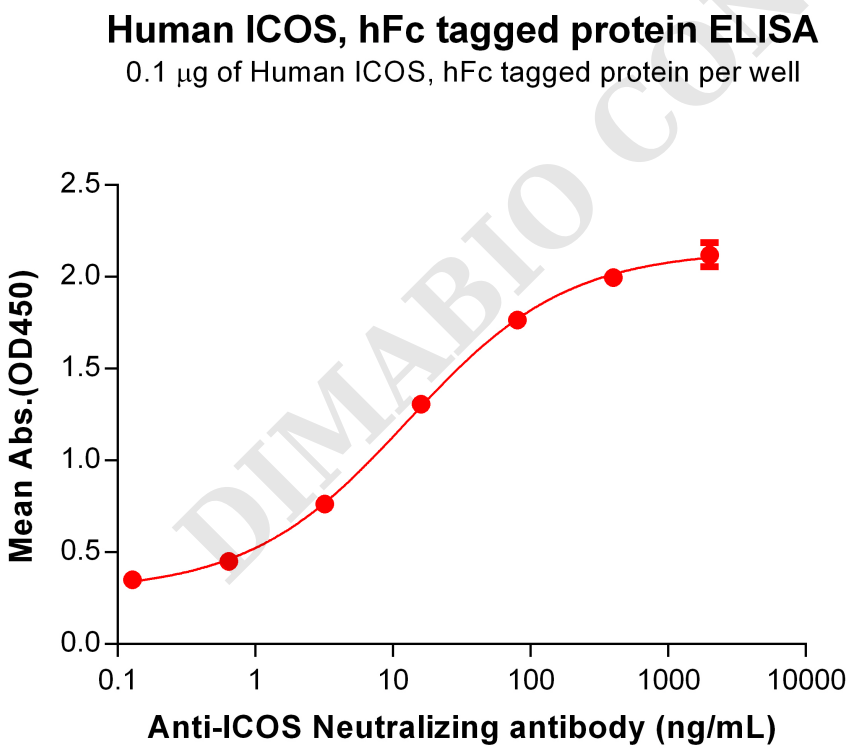


Figure 2. ELISA plate pre-coated by 1 μg/mL (100 μL/well) Human ICOS protein, hFc Tag (PME100484) can bind Anti-ICOS Neutralizing antibody BME100012 in a linear range of 0.64-400 ng/mL.

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