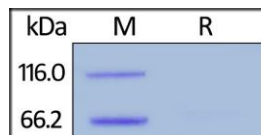
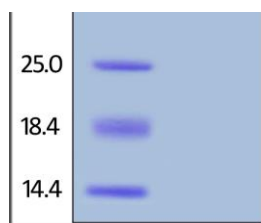


Human CellExp™ ICOS / CD278, Fc Tag, Human recombinant

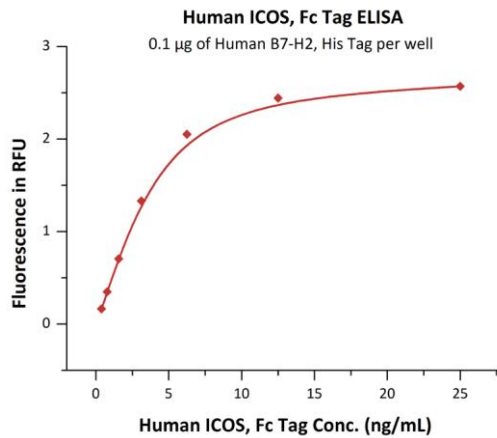
CATALOG #:	P1378-50 P1378-10
AMOUNT:	50 µg 10 µg
ALTERNATE NAMES:	ICOS, CD278, AILIM, Inducible T-cell costimulator
MOL. WT.	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 40.2 kDa. The protein migrates as 46-55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
SOURCE:	HEK 293 cells
PURITY:	>95% as determined by SDS-PAGE.
ENDOTOXIN:	Less than 1.0 EU per µg by the LAL method.
FORM:	Lyophilized
FORMULATION:	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
RECONSTITUTION:	Centrifuge the vial prior to opening. Reconstitute in sterile deionized water to a concentration of 100 µg/ml. Do not vortex. It is recommended to store at -20°C.
SPECIFIC ACTIVITY:	Immobilized Human B7-H2, His Tag at 1 µg/mL (100 µL/well) can bind Human ICOS, Fc Tag with a linear range of 0.4-6 ng/mL
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles.
DESCRIPTION:	Inducible T-cell costimulator (ICOS) is also known as Activation-inducible lymphocyte immunomediatory molecule (AILIM), CD278, which belongs to the CD28 family of immune costimulatory receptors consisting of CD28, CTLA-4 and PD-1. ICOS enhances all basic T-cell responses to a foreign antigen, namely proliferation, secretion of lymphokines, up-regulation of molecules that mediate cell-cell interaction, and effective help for antibody secretion by B-cells. CD278 / ICOS prevents the apoptosis of pre-activated T-cells and also plays a critical role in CD40-mediated class switching of immunoglobulin isotypes.
AMINO ACID SEQUENCE:	AA Glu 21 - Phe 141



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Human ICOS, Fc Tag on SDS-PAGE under reducing (R) condition.



Immobilized Human B7-H2, His Tag 1 µg/mL (100 µL/well) can bind Human ICOS, Fc Tag with a linear range of 0.4-6 ng/mL

RELATED PRODUCTS:

Human CellExp™ ICOS / CD278, Human recombinant (9238)
Anti-ICOS / CD278 Antibody (A1081)

FOR RESEARCH USE ONLY! Not to be used on humans.

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