

Human CellExp™ ICOS / CD278, Mouse Recombinant

CATALOG NO: P1469-10 10 µg
P1469-50 50 µg

ALTERNATE NAMES: ICOS, CD278, AILIM, Inducible T-cell costimulator

MOL. WT. This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 15.7 kDa. The protein migrates as 22-30 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

SOURCE: HEK 293 cells

PURITY: >90% 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 PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

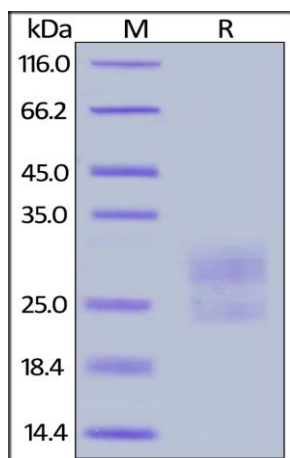
RECONSTITUTION: Reconstitute in sterile deionized water to the desired protein concentration.

SPECIFIC ACTIVITY: Immobilized Human B7-H2 at 1 µg/mL (100 µL/well) can bind Mouse ICOS with a linear range of 0.01-0.2ng/mL

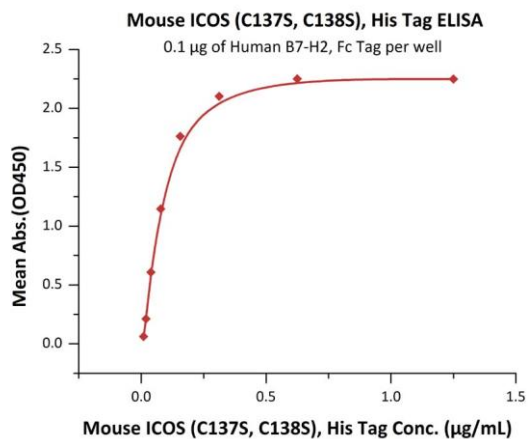
STORAGE CONDITIONS: Store at -20°C. After reconstitution, aliquot and store at -70°C and use within 3 months. Avoid repeated freezing and thawing cycles. -20°C

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 prevent the apoptosis of pre-activated T-cells and also plays a critical role in CD40-mediated class switching of immunoglobulin isotypes.

AMINO ACID SEQUENCE: Glu 21 - Leu 144



Mouse ICOS (C137S, C138S), His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue.



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RELATED PRODUCTS:

- Human CellExp™ ICOS / CD278, Human recombinant (9238)
- Human CellExp™ ICOS / CD278, Fc Tag, Human recombinant (P1378)
- Anti-ICOS / CD278 Antibody (A1081)

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