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37-1174: Mouse ICOS / AILIM / CD278 Recombinant Protein (Fc Tag)(Discontinued)

Reactivity: Mouse

Alternative Name: AlLIM Protein, Mouse; CCLP Protein, Mouse; CRP-1 Protein, Mouse; H4 Protein, Mouse; Ly115 Protein,

Mouse

Description

Source: HEK293 Cells

Inducible costimulator (ICOS), also called AILIM (activiation-inducible lymphocyte immunomediatory molecule) is a cell-surface receptor, and belongs to the CD28 family of immune costimulatory receptors consisting of CD28, CTLA-4 and PD-1. The interaction of B7-H2/ICOS plays a critical role in Th cell differentiation, T-B cell interactions which is essential for germinal center formation, and humoral immune responses, and as well as the production of cytokine IL-4. In addition, ICOS is more potent in the induction of IL-1 production, a cytokine important for suppressive function of T regulatory cells. The B7-1/B7-2--CD28/CTLA-4 and ICOS-B7RP-1 pathway provides key second signals that can regulate the activation, inhibition and fine-tuning of T-lymphocyte responses. ICOS stimulates both Th1 and Th2 cytokine production but may have a preferential role in Th2 cell development. Moreover, The B7-1/B7-2-CD28/CTLA-4 and ICOS-B7RP-1 pathway has been suggested of being involved in the development of airway inflammation and airway hyperresponsiveness. Cancer Immunotherapy Co-stimulatory Immune Checkpoint Targets Immune Checkpoint Proteins Immune Checkpoint Targets Immunotherapy Targeted Therapy

Product Info

Amount: Mouse ICOS / AILIM / CD278 Recombinant Protein (Fc Tag)(Discontinued) / 200 µg

Purification: > 97 % as determined by SDS-PAGE

Formulation Lyophilized from sterile PBS, pH 7.4

Content : Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before

lyophilization.

Storage condition : Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be

aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Amino Acid: Met1-Leu142

Application Note

Endotoxin :< 1.0 EU per $\tilde{A} \square \hat{A} \mu g$ of the protein as determined by the LAL method

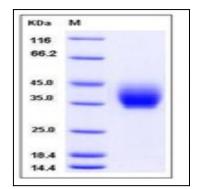


Fig 1: Mouse ICOS / AILIM / CD278 Recombinant Protein (Fc Tag)