

Recombinant Mouse ICOS/CD278 Protein

RPCB1623

Protein Information

Size:	10 µg , 20 µg , 50 µg , 100 µg	Tag:	C-hFc
Reactivity:	Mouse	Expressed Host:	HEK293 cells
Calculated MW:	40.15 kDa	Observed MW:	55-60 kDa

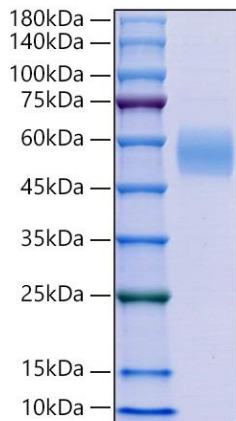
Background

Inducible costimulator (ICOS), also called AILIM (Activation-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 are essential for the germinal center formation, and humoral immune responses, and as well as the production of cytokine IL-4. Also, ICOS is more potent in the induction of IL-10 production, a cytokine important for the suppressive function of T regulatory cells. The B7-1/B7-2--CD28/CTLA-4 and ICOS-B7RP-1 pathway provide 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 as being involved in the development of airway inflammation and airway hyperresponsiveness.

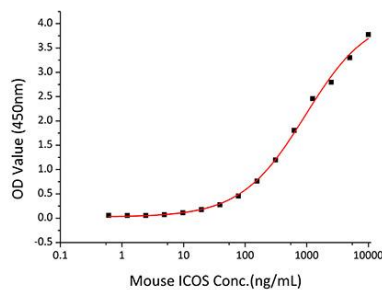
Properties

Synonyms:	ICOS, CD278, AILIM, CVID1, ICOS
Gene ID:	54167
Endotoxin:	< 0.1 EU/µg of the protein by LAL method.
Description:	High quality, high purity and low endotoxin recombinant Recombinant Mouse ICOS/CD278 Protein (RPCB1623), tested reactivity in HEK293 cells and has been validated in SDS-PAGE. 100% guaranteed.
Purity:	≥ 95 % as determined by SDS-PAGE.
Storage:	Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Validation Data



Recombinant Mouse ICOS/CD278 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Mouse ICOSLG at 5 µg/mL (100 µL/well) can bind Mouse ICOS with a linear range of 10-952.7 ng/mL