

ICOS

Recombinant Human ICOS / CD278:Mouse Fc Chimera

Catalog No.	CRH045	Quantity:	100 µg
Alternate Names:	Inducible T-cell costimulator, Activation-inducible lymphocyte immunomediatory molecule, CD278		
Description:	CD278, also called inducible costimulator (ICOS) or CRP1 (CD28-related protein-1), is a member of the growing CD28 family of immune costimulatory receptors. Other family members are CD28, CTLA-4 and PD-1. ICOS is expressed on most CD45RO+ cells. ICOS expression is upregulated within approximately 24-48 hours of activation on Th primed cells. B7-H2, a member of the B7 family of costimulatory ligands, has been identified as the ICOS ligand. The B7-H2/ICOS interaction appears to play roles in T cell dependent B cell activation and Th differentiation.		
UniProt ID:	Q9Y6W8		
Gene ID:	29851		
Protein Construction:	The extracellular domain of human CD278 [ICOS] (aa 21-139) is fused to the N-terminus of the Fc region of mouse IgG2a.		
Source:	CHO cells		
Formulation:	Lyophilized from a 0.2 µm filtered solution containing PBS.		
Purity:	≥98% by SDS-PAGE		
Endotoxin Level:	<0.06 EU/µg purified protein as determined by LAL test (Lonza).		
Biological Activity:	Measured by its ability to inhibit human T cell proliferation induced by Recombinant Human CD275/B7-H2:Fc (human) Chimera (cat # CRH038) in the presence of anti-CD3.		
Reconstitution:	Centrifuge vial briefly to consolidate the product. Reconstitute with 100 µl sterile water. Add 1X PBS to the desired protein concentration.		
Storage & Stability:	Lyophilized product is stable for at least 1 year after receipt when stored at -20°C to -80° C. Upon reconstitution, prepare aliquots of the stock solution and store at -20°C to -80°C for up to 3 month at -20°C. Avoid repeated freeze-thaw cycles.		

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