

ICOS

Recombinant Human ICOS/CD278:Fc Chimera Non-Lytic

Catalog No.	CRH044A CRH044B	Quantity:	25 µg 100 µg
Alternate Names:	AILIM, CD278, CVID1		
Description:	<p>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.</p> <p>The extracellular domain of human CD278 [ICOS] (aa 21-139) is fused to the N-terminus of the Fc region of a mutant human IgG1.</p> <p>The chimera is non-lytic and acts as a long lasting fusion protein that only binds to the receptor. Mutations to the complement (C1q) and FcγR I binding sites of the IgGs Fc fragment render the fusion proteins incapable of antibody directed cytotoxicity (ADCC) and complement directed cytotoxicity (CDC).</p>		
Gene ID:	29851		
Protein Accession No:	NP_036224.1		
Source:	CHO cells		
Formulation:	Lyophilized from a 0.2 µm filtered solution containing PBS.		
Purity:	≥98% (SDS-PAGE)		
Endotoxin Level:	<0.06 EU/µg purified protein as determined by LAL test (Lonza).		
Reconstitution:	Reconstitute at 100 µg/ml in sterile PBS.		
Storage & Stability:	Store at 4°C upon arrival and at -20°C for long term. Lyophilized product is stable for at least 1 year after receipt when stored at -20°C. After reconstitution, prepare aliquots and store at -20°C. Stable for up to 3 month at -20°C. Avoid repeated freeze-thaw cycles.		

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