

Datasheet for ABIN7278695
ICOS Protein (AA 21-139) (Fc Tag)



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Overview

Quantity:	100 µg
Target:	ICOS
Protein Characteristics:	AA 21-139
Origin:	Human
Source:	CHO Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ICOS protein is labelled with Fc Tag.

Product Details

Purpose:	CD278 [ICOS] (human):Fc (human) (rec.) (non-lytic)
Specificity:	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.
Characteristics:	<p>Protein. 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. Source: CHO cells. Endotoxin content: <0.06EU/µg protein (LAL test, Lonza). Lyophilized from 0.2µm-filtered solution in PBS. Purity: >98 % (SDS-PAGE). 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>

Product Details

Purity:	>98 % (SDS-PAGE)
Endotoxin Level:	<0.06EU/μg protein (LAL test, Lonza).
Biological Activity Comment:	Shows the biological function of the CD278 moiety and exerts a prolonged circulating half-life caused by the modified Fc domain.

Target Details

Target:	ICOS
Alternative Name:	CD278 [ICOS] (ICOS Products)
Background:	<p>Alternate Names/Synonyms: ICOS, Inducible T Cell Costimulator, CRP1, CD28-related Protein-1, AILIM</p> <p>Product 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.</p>
NCBI Accession:	NP_036224
Pathways:	Cancer Immune Checkpoints

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Concentration:	Lot specific
Buffer:	Lyophilized from 0.2μm-filtered solution in PBS.
Handling Advice:	Avoid freeze/thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C

Handling

Use & Stability: Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.