

Datasheet for ABIN7196183 **ICOSLG Protein (His tag)**

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Overview

Quantity:	100 µg
Target:	ICOSLG
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This ICOSLG protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human ICOS Ligand/ICOSL Protein (His Tag)(Active)
Sequence:	Met 1-Ser 258
Characteristics:	A DNA sequence encoding the human ICOSLG (NP_056074.1) extracellular domain (Met 1-Ser 258) was fused with a polyhistidine tag at the C-terminus.
Purity:	> 98 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized human B7-H2 at 1 µg/ml (100 µl/well) can bind human ICOS with a linear range of 1.6-200 ng/ml.

Target Details

Target:	ICOSLG
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Target Details

Alternative Name:	ICOS Ligand/ICOSL (ICOSLG Products)
Background:	<p>Background: Inducible co-stimulator ligand (ICOSL), also known as B7-H2, is a member of the B7 family of co-stimulatory molecules related to B7-1 and B7-2. It is a transmembrane glycoprotein with extracellular IgV and IgC domains, and binds to ICOS on activated T cells, thus delivers a positive costimulatory signal for optimal T cell function. The structural features of ICOSL are crucial for its costimulatory function. Present study shows that ICOSL displays a marked oligomerization potential, resembling more like B7-1 than B7-2. B7-H2-dependent signaling may play an active role in a proliferative response rather than in cytokine and chemokine production. The CD28/B7 and ICOS/B7-H2 pathways are both critical for costimulating T cell immune responses. Deficiency in either pathway results in defective T cell activation, cytokine production and germinal center formation.</p> <p>Immune CheckpointImmune Checkpoint Detection: Antibodies Immune Checkpoint Detection: ELISA Antibodies Immune Checkpoint Detection: FCM Antibodies Immune Checkpoint Detection: WB AntibodiesImmune Checkpoint Targets Co-stimulatory Immune Checkpoint Targets Immunotherapy Cancer Immunotherapy Targeted Therapy</p> <p>Synonym: ICOS Ligand; B7 Homolog 2; B7-H2; B7-Like Protein GI50; B7-Related Protein 1; B7RP-1; CD275; ICOSLG; B7H2; B7RP1; ICOSL; KIAA0653</p>
Molecular Weight:	28 kDa
NCBI Accession:	NP_056074
Pathways:	Production of Molecular Mediator of Immune Response, Activated T Cell Proliferation

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C, -20 °C, -80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>