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Datasheet for ABIN6938859

ICOSLG Protein (AA 47-279) (Fc Tag)

2 Images

Overview

Quantity:	100 µg
Target:	ICOSLG
Protein Characteristics:	AA 47-279
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This ICOSLG protein is labelled with Fc Tag.

Product Details

Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	ICOSLG
Alternative Name:	B7-H2 (ICOSLG Products)
Background:	ICOS ligand (ICOSLG) is also known as B7 homolog 2 (B7-H2), B7-related protein 1 (B7RP-1) and CD antigen CD275, which belongs to the immunoglobulin superfamily and BTN/MOG family. ICOSLG contains one Ig-like C2-type (immunoglobulin-like) domain and one Ig-like V-type (immunoglobulin-like) domain. Isoform 1 is widely expressed, while isoform 2 is detected only in lymph nodes, leukocytes and spleen. B7-H2 is ligand for the T-cell-specific cell surface

Target Details

receptor ICOS. B7-H2 acts as a costimulatory signal for T-cell proliferation and cytokine secretion and induces also B-cell proliferation and differentiation into plasma cells. B7-H2 could play an important role in mediating local tissue responses to inflammatory conditions, as well as in modulating the secondary immune response by co-stimulating memory T-cell function.

Molecular Weight: 52.7 kDa

NCBI Accession: [NP_056605](#)

Pathways: [Production of Molecular Mediator of Immune Response, Activated T Cell Proliferation](#)

Application Details

Restrictions: For Research Use only

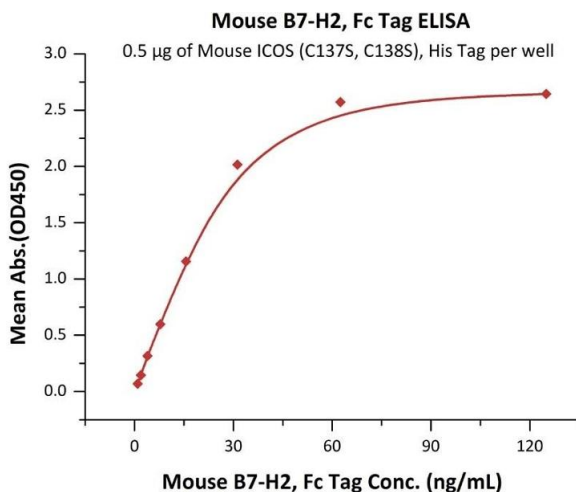
Handling

Format: Lyophilized

Buffer: Tris with Glycine, Arginine and NaCl, pH 7.5

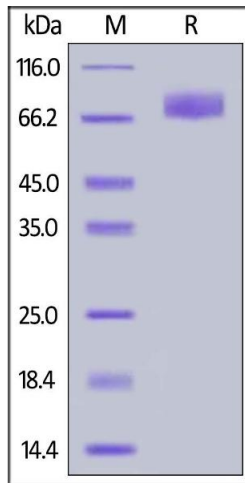
Storage: -20 °C

Images



ELISA

Image 1. Immobilized Mouse ICOS (C137S, C138S), His Tag (ABIN6731301, ABIN6809884) at 5 µg/mL (100 µL/well) can bind Mouse B7-H2, Fc Tag (ABIN6923170, ABIN6938859) with a linear range of 2-31 ng/mL (QC tested).



SDS-PAGE

Image 2. Mouse B7-H2, Fc Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .