

Datasheet for ABIN6809944  
**ICOSLG Protein (AA 19-258) (Fc Tag)**



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2 Images

## Overview

Quantity:	100 µg
Target:	ICOSLG
Protein Characteristics:	AA 19-258
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This ICOSLG protein is labelled with Fc Tag.

## Product Details

Sequence:	AA 19-258
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 ( <a href="#">ICOSLG Products</a> )
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

## Target Details

only in lymph nodes, leukocytes and spleen. B7-H2 is ligand for the T-cell-specific cell surface 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: 53.1 kDa

NCBI Accession: [NP\\_056074](#)

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

## Application Details

Restrictions: For Research Use only

## Handling

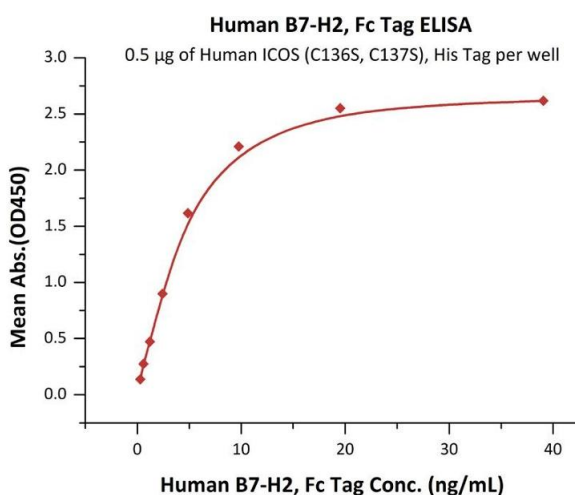
Format: Lyophilized

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

Handling Advice: Please avoid repeated freeze-thaw cycles.

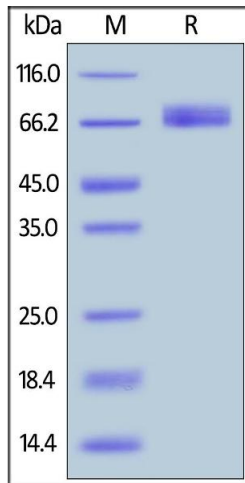
Storage: -20 °C

## Images



### ELISA

**Image 1.** Immobilized Human ICOS (C136S, C137S), His Tag (ABIN6386444, ABIN6388254) at 5 µg/mL (100 µL/well) can bind Human B7-H2, Fc Tag (ABIN6731298, ABIN6809944) with a linear range of 0.3-5 ng/mL (QC tested).



### SDS-PAGE

**Image 2.** Human 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 % .