

# ICOSLG/B7-H2/CD275 Monoclonal antibody

Catalog Number: 67003-1-Ig

## Basic Information

## Catalog Number:

67003-1-Ig

## Size:

1900 µg/ml

## Source:

Mouse

## Isotype:

IgG2a

## Immunogen Catalog Number:

AG6799

## GenBank Accession Number:

BC064637

## GeneID (NCBI):

23308

## UNIPROT ID:

O75144

## Full Name:

inducible T-cell co-stimulator ligand

## Calculated MW:

33 kDa, 34 kDa

## Observed MW:

60-65 kDa, 28-35 kDa

## Purification Method:

Protein A purification

## CloneNo.:

2G1F8

## Recommended Dilutions:

WB 1:5000-1:50000

## Applications

## Tested Applications:

WB, ELISA

## Species Specificity:

Human

## Positive Controls:

WB : HL-60 cells, Daudi cells, HUVEC cells, JAR cells

## Background Information

ICOSLG, also known as B7H2 or GL50, is a type I transmembrane glycoprotein belonging to the B7 ligand family. ICOSLG is extensively expressed on professional antigen-presenting cells including B cells, macrophages, and dendritic cells, as well as non-lymphoid cells including mesenchymal stem cells, endothelial cells, fibroblasts, and tumor cells (PMID: 33756276; 35800767). It is a specific ligand for the T-cell-specific cell surface receptor ICOS and acts as a co-stimulatory molecule (PMID: 11023515; 11007762). The interaction of ICOSLG and ICOS plays important roles in the activation, proliferation, differentiation, and cytokine production of T cells as well as in the antibody secretion from B cells during secondary immune responses (PMID: 21851236).

## Storage

## Storage:

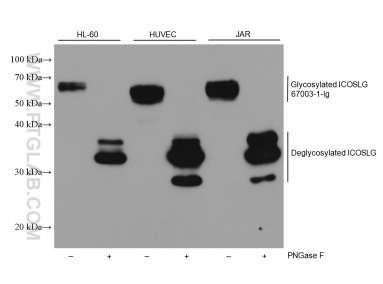
Store at -20°C. Stable for one year after shipment.

## Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67003-1-Ig (ICOSLG antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.