

For Research Use Only

ICOSLG/B7-H2/CD275 Monoclonal antibody, PBS Only



Catalog Number: 67003-1-PBS

Basic Information

Catalog Number:

67003-1-PBS

Size:

1 mg/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

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

Human

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

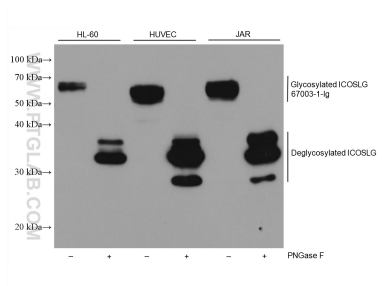
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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. This data was developed using the same antibody clone with 67003-1-PBS in a different storage buffer formulation.