

For Research Use Only

ICOSLG/B7-H2/CD275 Monoclonal antibody

Catalog Number: 67003-1-Ig



Basic Information

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| Catalog Number: 67003-1-Ig | GenBank Accession Number: BC064637 | Purification Method: Protein A purification |
| Size: 150ul , Concentration: 1900 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 23308 | CloneNo.: 2G1F8 |
| Source: Mouse | UNIPROT ID: O75144 | Recommended Dilutions: WB 1:5000-1:50000 |
| Isotype: IgG2a | Full Name: inducible T-cell co-stimulator ligand | |
| Immunogen Catalog Number: AG6799 | Calculated MW: 33 kDa, 34 kDa | |
| | Observed MW: 60-65 kDa, 28-35 kDa | |

Applications

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| Tested Applications: WB, ELISA | Positive Controls: WB : HL-60 cells, Daudi cells, HUVEC cells, JAR cells |
| 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

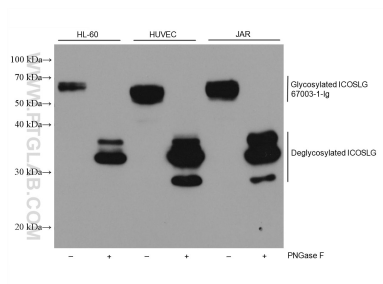
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.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.