

For Research Use Only

ICOSLG Monoclonal antibody, PBS Only



Catalog Number: 67003-1-PBS

Basic Information

Catalog Number: 67003-1-PBS	GenBank Accession Number: BC064637	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 23308	CloneNo.: 2G1F8
Source: Mouse	UNIPROT ID: O75144	
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

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.

Storage Buffer:
PBS Only

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

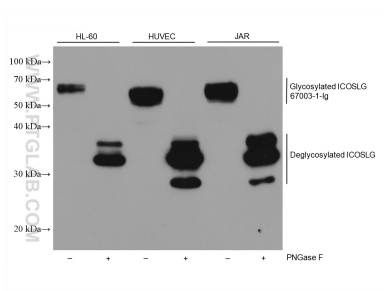
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Selected Validation Data



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.