

For Research Use Only

# ICOSLG/B7-H2/CD275 Recombinant monoclonal antibody

Catalog Number:85173-5-RR



## Basic Information

<b>Catalog Number:</b> 85173-5-RR	<b>GenBank Accession Number:</b> BC064637	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 23308	<b>CloneNo.:</b> 242241G9
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> O75144	<b>Recommended Dilutions:</b> WB: 1:500-1:2000
<b>Immunogen Catalog Number:</b> EG0008	<b>Full Name:</b> inducible T-cell co-stimulator ligand	
	<b>Calculated MW:</b> 33 kDa, 34 kDa	
	<b>Observed MW:</b> 65 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : JAR cells,
<b>Species Specificity:</b> 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, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

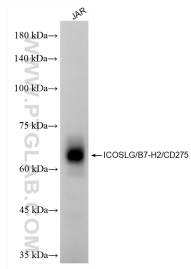
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## Selected Validation Data



JAR cells were subjected to SDS PAGE followed by western blot with 85173-5-RR (ICOSLG antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.