

For Research Use Only

# Anti-Human ICOSLG/B7-H2/CD275 Rabbit Recombinant Antibody

Catalog Number: 98358-1-RR



## Basic Information

<b>Catalog Number:</b> 98358-1-RR	<b>GenBank Accession Number:</b> BC064637	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 100ug, 1000 µg/ml	<b>GeneID (NCBI):</b> 23308	<b>CloneNo.:</b> 242241C8
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O75144	
<b>Isotype:</b> IgG	<b>Full Name:</b> inducible T-cell co-stimulator ligand	
<b>Immunogen Catalog Number:</b> EG0008	<b>Calculated MW:</b> 33 kDa, 34 kDa	

## Applications

**Tested Applications:**  
FC

**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 2 - 8°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide, pH7.3

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

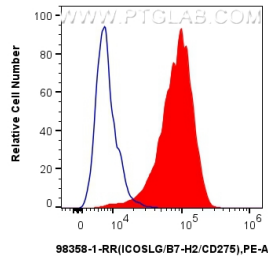
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

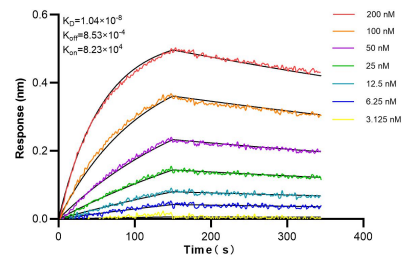
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## Selected Validation Data



$1 \times 10^6$  human monocyte-derived mature dendritic cells were surface stained with 0.25  $\mu$ g Anti-Human ICOSLG/B7-H2/CD275 Rabbit RecAb (98358-1-RR, Clone: 242241C8) (red) or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 98358-1-RR against Human ICOSLG/B7-H2/CD275 were performed. The affinity constant is 10.4 nM.