

For Research Use Only

Anti-Human ICOSLG/B7-H2/CD275 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98358-1-PBS



Basic Information

Catalog Number: 98358-1-PBS	GenBank Accession Number: BC064637	Purification Method: Protein A purification
Concentration: 1mg, 2000 µg/ml	GeneID (NCBI): 23308	CloneNo.: 242241C8
Source: Rabbit	UNIPROT ID: O75144	
Isotype: IgG	Full Name: inducible T-cell co-stimulator ligand	
Immunogen Catalog Number: EG0008	Calculated MW: 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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

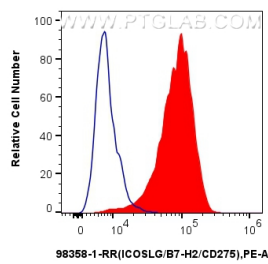
T: 4006900926

E: Proteintech-CN@ptglab.com

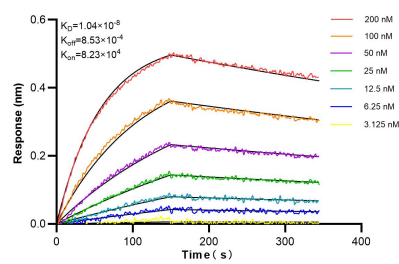
W: ptgcn.com

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Selected Validation Data



1x10⁶ human monocyte-derived mature dendritic cells were surface stained with 0.25 ug 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. This data was developed using the same antibody clone with 98358-1-PBS in a different storage buffer



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