

For Research Use Only

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

Catalog Number: 98058-1-PBS



Basic Information

Catalog Number:

98058-1-PBS

Size:

1mg, 2mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_015790.3

GeneID (NCBI):

50723

UNIPROT ID:

Q9JHJ8-1

Full Name:

icos ligand

Calculated MW:

36 kDa

Purification Method:

Protein A purification

CloneNo.:

240243G5

Applications

Tested Applications:

FC

Species Specificity:

mouse

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

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

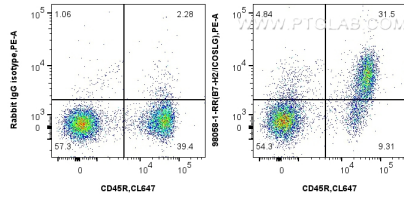
T: 4006900926

E: Proteintech-CN@ptglab.com

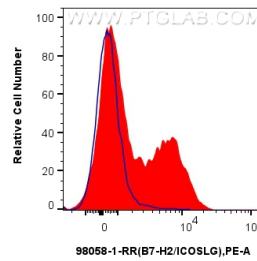
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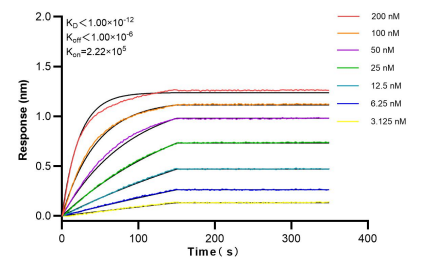
Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Anti-Mouse ICOSLG/B7-H2/CD275 Rabbit Recombinant Antibody (98058-1-RR, Clone:240243G5) or Isotype Control and PE-conjugated Goat Anti-Rabbit IgG. Cells were then stained with CoraLite® Plus 647 Anti-Mouse CD45R (B220). Cells were not fixed. This data was developed using the same antibody clone with 98058-1-PBS in a different storage buffer formulation.



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Anti-Mouse ICOSLG/B7-H2/CD275 Rabbit Recombinant Antibody (98058-1-RR, Clone:240243G5) (red) or Isotype Control (blue) and PE-conjugated Goat Anti-Rabbit IgG. Cells were not fixed. This data was developed using the same antibody clone with 98058-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 98058-1-RR against Mouse ICOSLG/B7-H2/CD275 were performed. The affinity constant is below 1 pM.