

For Research Use Only

# PE Anti-Mouse ICOSLG/B7-H2/CD275 Rabbit Recombinant Antibody

Catalog Number: PE-98058



## Basic Information

Catalog Number:

PE-98058

Concentration:

100ug, 200 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0923

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

Recommended Dilutions:

FC: 0.1 ug per  $10^6$  cells in a 100  $\mu$ l suspension

Excitation/Emission maximum wavelengths:

496 nm, 565 nm / 578 nm

## Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : mouse splenocytes,

## 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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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

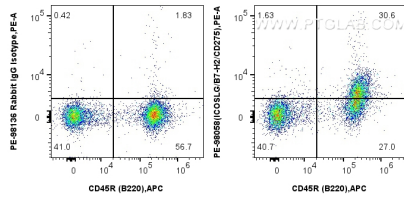
T: 4006900926

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

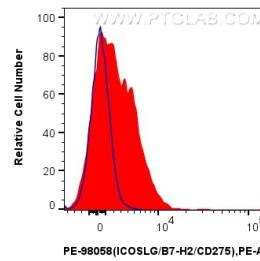
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.1 ug APC Anti-Mouse CD45R (B220) (RA3-6B2) (APC-65139, Clone: RA3-6B2), and 0.1 ug PE Anti-Mouse ICOSLG/B7-H2/CD275 Rabbit RecAb (PE-98058, Clone: 240243G5) or 0.1 ug PE Rabbit IgG Isotype Control RecAb (PE-98136, Clone: 240953C9). Cells were not fixed.



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.1 ug PE Anti-Mouse ICOSLG/B7-H2/CD275 Rabbit RecAb (PE-98058, Clone: 240243G5) (red) or 0.1 ug PE Rabbit IgG Isotype Control RecAb (PE-98136, Clone: 240953C9) (blue). Cells were not fixed.