

For Research Use Only

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

Catalog Number: 98358-1-RR



Basic Information

Catalog Number:

98358-1-RR

Size:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0008

GenBank Accession Number:

BC064637

GeneID (NCBI):

23308

UNIPROT ID:

O75144

Full Name:

inducible T-cell co-stimulator ligand

Calculated MW:

33 kDa, 34 kDa

Purification Method:

Protein A purification

CloneNo.:

242241C8

Recommended Dilutions:

FC: 0.25 µg per 10⁶ cells in 100 µl suspension

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human monocyte-derived mature dendritic cells,

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

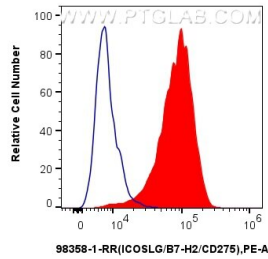
For technical support and original validation data for this product please contact:

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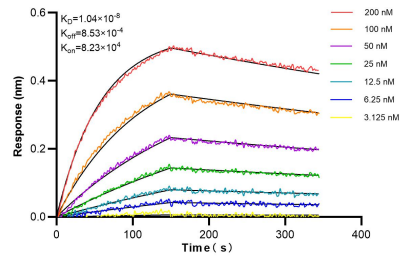
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1×10^6 human monocyte-derived mature dendritic cells were surface stained with 0.25 μ 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.