For Research Use Only

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

Catalog Number:98358-1-RR

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Basic Information

Catalog Number:
98358-1-RR

Size:
100ug , 1000 μg/ml

Source:
Rabbit

Isotype:
IgG

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

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: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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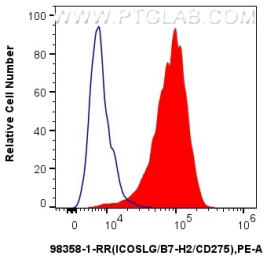
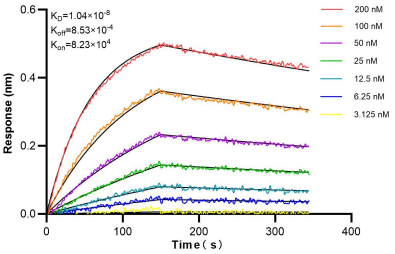
Selected Validation Data



1x10^6 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.



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