

For Research Use Only

# ICOSLG/B7-H2/CD275 Recombinant antibody

Catalog Number: 83375-2-RR



## Basic Information

Catalog Number:

83375-2-RR

Size:

100ul , Concentration: 1000 ug/ml by

Nanodrop;

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

Observed MW:

45-60 kDa

Purification Method:

Protein A purification

CloneNo.:

240243G5

Recommended Dilutions:

WB 1:500-1:1000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

Mouse

Positive Controls:

WB : mouse kidney tissue, mouse brain tissue, mouse spleen tissue, mouse heart tissue

## 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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

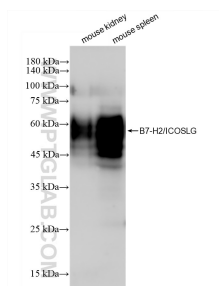
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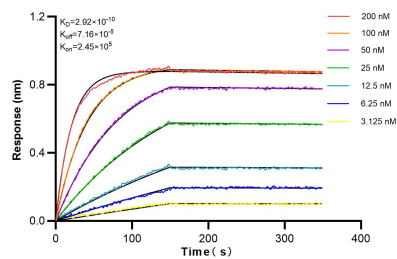
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83375-2-RR (B7-H2/ICOSLG antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83375-2-RR against Mouse B7-H2/ICOSLG were performed. The affinity constant is 0.292 nM.