

# ICOSLG/B7-H2/CD275 Recombinant antibody

Catalog Number: 83375-2-RR

## Basic Information

## Catalog Number:

83375-2-RR

## Size:

1000 µg/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

## 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:

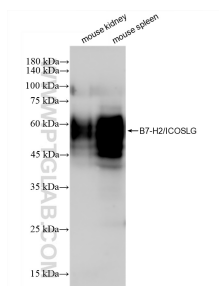
Store at -20°C. Stable for one year after shipment.

## Storage Buffer:

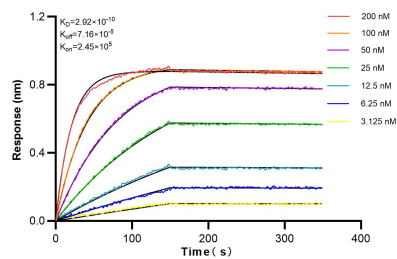
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## 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.