

# ICOSLG/B7-H2/CD275 Polyclonal antibody

Catalog Number: 14922-1-AP

2 Publications

## Basic Information

## Catalog Number:

14922-1-AP

## Size:

450 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG6392

## GenBank Accession Number:

BC064637

## GeneID (NCBI):

23308

## UNIPROT ID:

O75144

## Full Name:

inducible T-cell co-stimulator ligand

## Calculated MW:

33 kDa, 34 kDa

## Observed MW:

60-70 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:3000

IHC 1:50-1:500

## Applications

## Tested Applications:

WB, IHC, ELISA

## Cited Applications:

IHC

## Species Specificity:

human

## Cited Species:

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Positive Controls:

WB : Daudi cells, JAR cells

IHC : human tonsillitis 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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Chungui Xu	36272708	Cell Mol Gastroenterol Hepatol	IHC
Ha-Yeon Shin	35159096	Cancers (Basel)	IHC

## 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

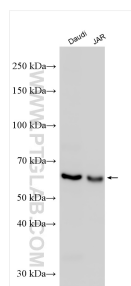
For technical support and original validation data for this product please contact:

T: 4006900926

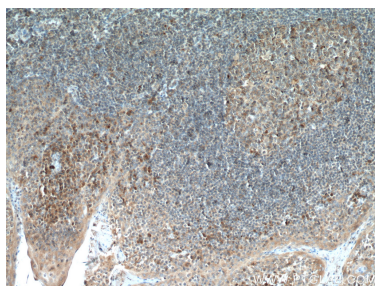
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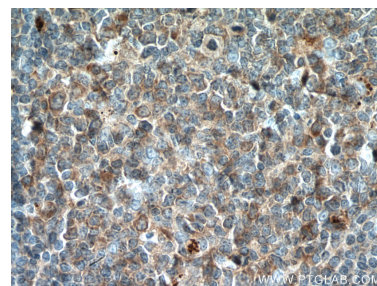
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14922-1-AP (ICOSLG antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 14922-1-AP (ICOSLG antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 14922-1-AP (ICOSLG antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).