

# ICOSLG Polyclonal antibody

Catalog Number: 14922-1-AP

2 Publications

## Basic Information

<b>Catalog Number:</b> 14922-1-AP	<b>GenBank Accession Number:</b> BC064637	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 450 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 23308	<b>Recommended Dilutions:</b> WB 1:500-1:3000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> inducible T-cell co-stimulator ligand	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 33 kDa, 34 kDa	
<b>Immunogen Catalog Number:</b> AG6392	<b>Observed MW:</b> 60-70 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IHC	<b>WB :</b> Daudi cells, JAR cells
<b>Species Specificity:</b> human	<b>IHC :</b> human tonsillitis tissue,
<b>Cited Species:</b> human	

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

## 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

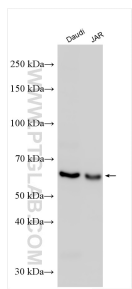
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

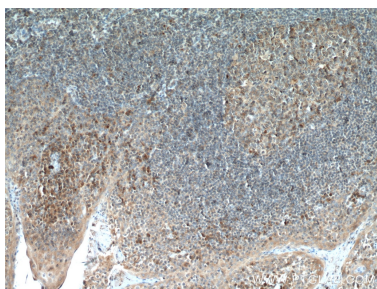
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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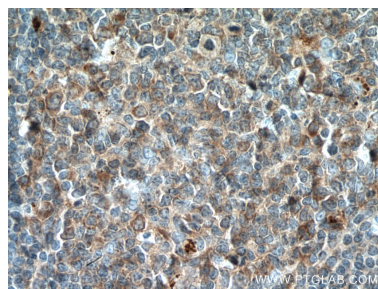
## Selected Validation Data



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).