

For Research Use Only

ICOS Polyclonal antibody

Catalog Number: 13338-1-AP



Basic Information

Catalog Number: 13338-1-AP	GenBank Accession Number: BC028210	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 700 ug/ml by Nanodrop and 367 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 29851	Recommended Dilutions: WB 1:200-1:1000 IHC 1:1000-1:4000 IF-P 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9Y6W8	
Isotype: IgG	Full Name: inducible T-cell co-stimulator	
Immunogen Catalog Number: AG4155	Calculated MW: 199 aa, 23 kDa	
	Observed MW: 28 kDa, 45-50 kDa	

Applications

Tested Applications: WB, IHC, IF-P, ELISA	Positive Controls:
Species Specificity: human	WB : Jurkat cells, HL-60 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human tonsillitis tissue,
	IF-P : human tonsillitis tissue,

Background Information

Inducible T cell co-stimulator (ICOS) is related to the CD28 superfamily and is highly expressed on activated T cells as well as regulatory T cells and is crucial for the survival and function of T cells, Th2 cell differentiation, and lung inflammatory responses. Binding ICOS to ICOS-ligand (ICOS-L) activates a cascade of intracellular signaling molecules that prevent apoptosis and lead to the production of cytokines such as IL-4 and IL-13. Catalog#13338-1-AP recognizes two bands of 25-30 kDa and 45-50 kDa, and the additional 45-50 kDa band may be due to surface disulfide-linked homodimeric glycoprotein.

Storage

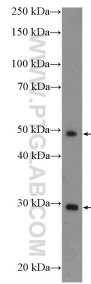
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

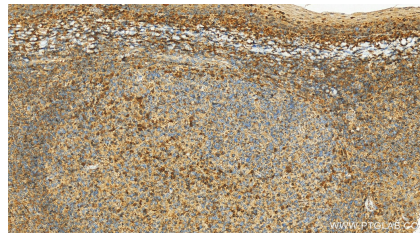
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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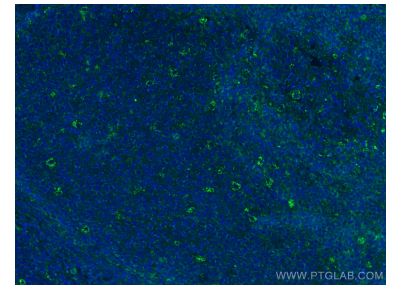
Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 13338-1-AP (ICOS Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 13338-1-AP (ICOS antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human tonsillitis tissue using ICOS antibody (13338-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).