

For Research Use Only

# IL-28A Monoclonal antibody, PBS Only (Capture)

Catalog Number: 60270-1-PBS



## Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
60270-1-PBS	BC113583	Protein G purification
Concentration:	GeneID (NCBI):	CloneNo.:
1mg/ml	282616	3B4A1
Source:	UNIPROT ID:	Affinity:
Mouse	Q8IZJ0	$K_D = 1.77 \times 10^9$
Isotype:	Full Name:	$K_{off} = 4.10 \times 10^{-5}$
IgG1	interleukin 28A (interferon, lambda 2)	$K_{on} = 2.31 \times 10^4$
Immunogen Catalog Number:	Calculated MW:	
AG18525	200 aa, 22 kDa	

## Applications

**Tested Applications:**  
IHC, IF-P, Sandwich ELISA, Indirect ELISA, Sample test

**Species Specificity:**  
human

## Background Information

IL28A, also named as IFNL2 and ZCYT020, is a cytokine with immunomodulatory activity. It up-regulates MHC class I antigen expression. IL28A is a ligand for the heterodimeric class II cytokine receptor composed of IL10RB and IFNLR1. The ligand/receptor complex seems to signal through the Jak-STAT pathway. It plays a significant role in the antiviral immune defense in the intestinal epithelium.

## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS only, pH7.3

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

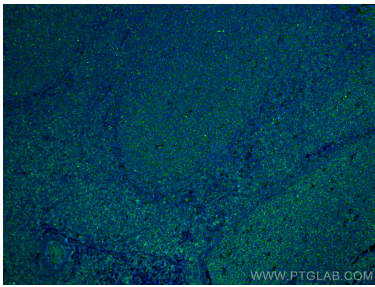
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

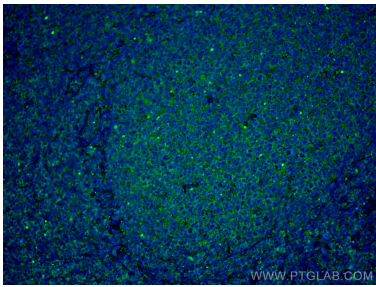
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

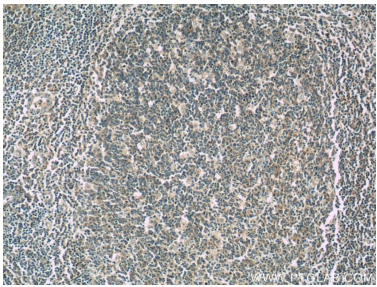
Selected Validation Data



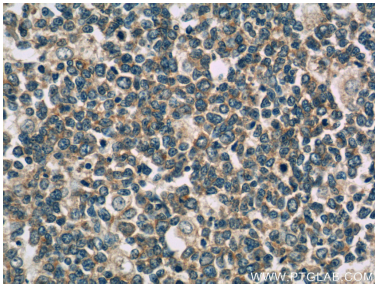
Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using IL-28A antibody (60270-1-Ig, Clone: 3B4A1 ) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 60270-1-PBS in a different storage buffer formulation.



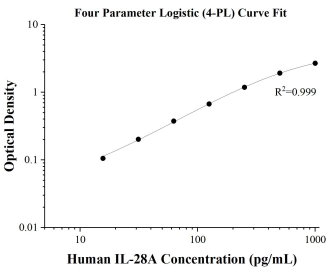
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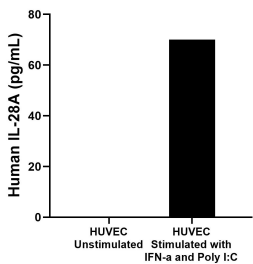
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60270-1-Ig (IL-28A antibody at dilution of 1:50 (under 10x lens). This data was developed using the same antibody clone with 60270-1-PBS in a different storage buffer formulation.



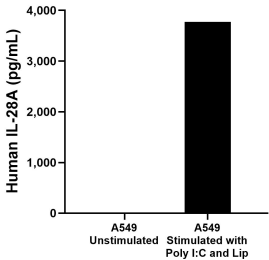
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60270-1-Ig (IL-28A antibody at dilution of 1:50 (under 40x lens). This data was developed using the same antibody clone with 60270-1-PBS in a different storage buffer formulation.



Sandwich ELISA standard curve of MP50008-1, IL-28A Monoclonal Matched Antibody Pair - PBS only. 60270-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard HZ-1235. 68669-1-PBS was HRP conjugated as the detection antibody. Range: 15.6-1000 pg/mL



HUVEC cells were cultured unstimulated or stimulated with 100 ng/mL IFN-a and 10 μg/mL Poly I:C for 3 hours. The mean IL-28A concentration was undetectable in unstimulated supernatant, 70.0 pg/mL in stimulated supernatant.



A549 cells were cultured unstimulated or stimulated with 10 μg/mL Poly I:C and 5 μg/mL Lip for 1 day. The mean IL-28A concentration was undetectable in unstimulated supernatant, 3,774.2 pg/mL in stimulated supernatant.