

For Research Use Only

# IL-21R Monoclonal antibody

Catalog Number: 66319-1-Ig



## Basic Information

<b>Catalog Number:</b> 66319-1-Ig	<b>GenBank Accession Number:</b> BC004348	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1500 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 50615	<b>CloneNo.:</b> 1D1C2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9HBE5	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:50-1:200
<b>Isotype:</b> IgG2b	<b>Full Name:</b> interleukin 21 receptor	
<b>Immunogen Catalog Number:</b> AG21295	<b>Calculated MW:</b> 59 kDa	
	<b>Observed MW:</b> 55-65 kDa	

## Applications

**Tested Applications:**  
WB, IHC, ELISA

**Species Specificity:**  
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 :** HepG2 cells, A172 cells, MJ cells, K-562 cells, TF-1 cells, MOLT-4 cells, HuT 78 cells, NK-92 cells, human placenta tissue

**IHC :** human tonsillitis tissue,

## Background Information

IL21R, a receptor for interleukin-21, belongs to the type I cytokine receptor family. IL21R has been shown to form a heterodimeric receptor complex with the common gamma-chain, a receptor subunit also shared by the receptors for interleukin 2, 4, 7, 9, and 15. This receptor transduces the promoting signal of IL21, and is important for the proliferation and differentiation of T cells, B cells, and natural killer (NK) cells. The ligand binding of this receptor leads to the activation of multiple downstream signaling molecules, including JAK1, JAK3, STAT1, and STAT3.

## Storage

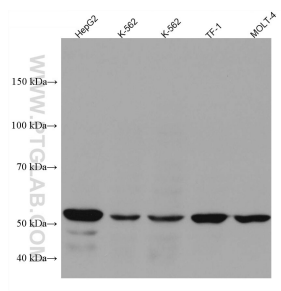
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

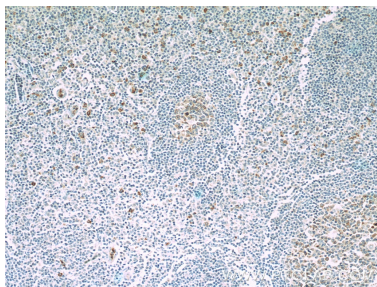
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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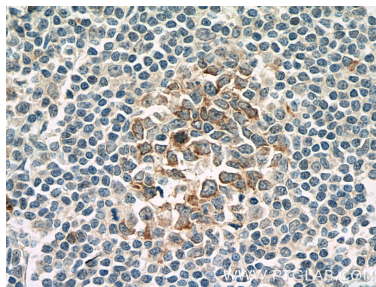
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66319-1-Ig (IL-21R antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66319-1-Ig (IL21R antibody) at dilution of 1:100 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66319-1-Ig (IL21R antibody) at dilution of 1:100 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).