

For Research Use Only

# IL-29 Monoclonal antibody

Catalog Number: 66163-1-Ig



## Basic Information

<b>Catalog Number:</b> 66163-1-Ig	<b>GenBank Accession Number:</b> BC074985	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1207 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 282618	<b>CloneNo.:</b> 1H3A3
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q8IU54	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG1	<b>Full Name:</b> interleukin 29 (interferon, lambda 1)	
<b>Immunogen Catalog Number:</b> AG12444	<b>Calculated MW:</b> 200 aa, 22 kDa	
	<b>Observed MW:</b> 22 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : Recombinant protein, Recombinant protein
<b>Species Specificity:</b> human	

## Background Information

Interleukin-29 (IL-29) is a cytokine belonging to the Type III interferon family, which has another two subfamilies IL-28A and IL-28B. They are also known as IFN- $\lambda$ 1, IFN- $\lambda$ 2 and IFN- $\lambda$ 3, respectively. IL-29 is produced predominantly by maturing dendritic cells and macrophages. IL-29 plays an important role in the immune response against pathogens and especially against viruses by mechanisms similar to type I interferons. IL-29 receptor signals through JAK-STAT pathways leading to activated expression of interferon-stimulated genes and production of antiviral proteins.

## Storage

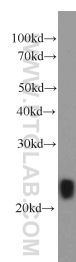
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



GST tagged recombinant IL29 protein were subjected to SDS PAGE followed by western blot with 66163-1-Ig (IL-29 antibody at dilution of 1:20000 incubated at room temperature for 1.5 hours.