

For Research Use Only

# IRF4 Recombinant monoclonal antibody

Catalog Number: 87342-1-RR



## Basic Information

<b>Catalog Number:</b> 87342-1-RR	<b>GenBank Accession Number:</b> BC015752	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3662	<b>CloneNo.:</b> 252430B2
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG00000137265	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000 IHC: 1:2500-1:10000
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> Q15306	
<b>Immunogen Catalog Number:</b> AG1762	<b>Full Name:</b> IRF 4	
	<b>Calculated MW:</b> 52 kDa	
	<b>Observed MW:</b> 50-52 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : MJ cells, U266 cells IHC : human tonsillitis tissue,
<b>Species Specificity:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

IRF4 is a member of the IRF family of transcription factors, expressed in most cell types of the immune system. IRF4 is a transcription factor essential for the development of T helper-2 (Th2) cells, IL17-producing Th17 cells, and IL9-producing Th9 cells, as well as dendritic cell (DC). It binds to and activates the ISRE of the MHC class I promoter, and may have a role in ISRE-targeted signal transduction mechanisms specific to lymphoid cells.

## Storage

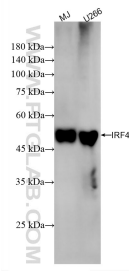
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

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

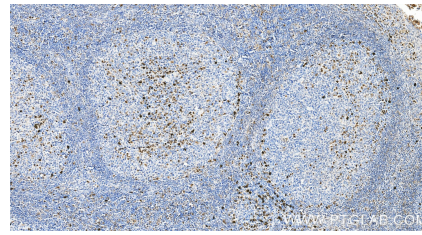
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

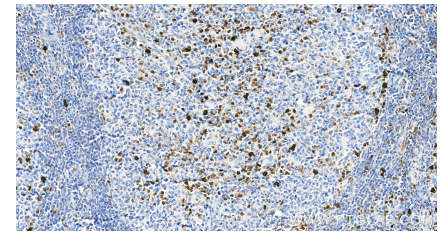
## Selected Validation Data



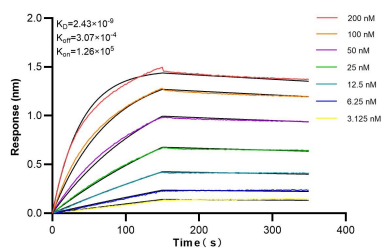
Various lysates were subjected to SDS PAGE followed by western blot with 87342-1-RR (IRF4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 87342-1-RR (IRF4 antibody) at dilution of 1:5000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 87342-1-RR (IRF4 antibody) at dilution of 1:5000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 87342-1-RR against Human IRF4 were performed. The affinity constant is 2.43 nM.