

For Research Use Only

# IRF4 Monoclonal antibody

Catalog Number: 66451-1-Ig **3 Publications**



## Basic Information

<b>Catalog Number:</b> 66451-1-Ig	<b>GenBank Accession Number:</b> BC015752	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1600 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3662	<b>CloneNo.:</b> 1A12D5
<b>Source:</b> Mouse	<b>ENSEMBL Gene ID:</b> ENSG00000137265	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:200-1:800
<b>Isotype:</b> IgG1	<b>UNIPROT ID:</b> Q15306	
<b>Immunogen Catalog Number:</b> AG25203	<b>Full Name:</b> IRF 4	
	<b>Calculated MW:</b> 52 kDa	
	<b>Observed MW:</b> 48-52 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB, IF, CoIP	<b>WB :</b> U266 cells, human spleen tissue, pig spleen tissue, rat spleen tissue, HuT 78 cells, MJ cells
<b>Species Specificity:</b> human, rat, pig	<b>IHC :</b> human tonsillitis,
<b>Cited Species:</b> human, mouse	
<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

IF regulatory factor 4 (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 IF-stimulated response element (ISRE) of the MHC class I promoter, and may have a role in ISRE-targeted signal transduction mechanisms specific to lymphoid cells.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jiwei Wang	34670117	Biochim Biophys Acta Mol Cell Res	WB,CoIP
Yong Mou	35600643	Bioeng Transl Med	WB,IF
Yuan Yuan Li	39434428	FEBS J	WB,IF

## Storage

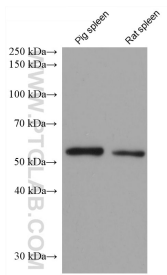
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol  
**Aliquoting is unnecessary for -20°C storage**

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

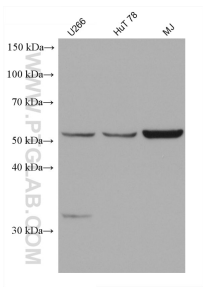
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

## Selected Validation Data



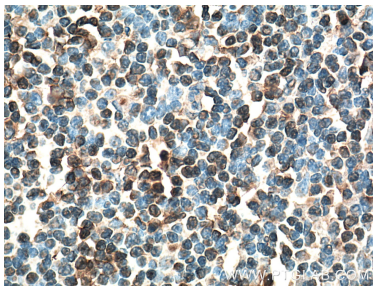
Various lysates were subjected to SDS PAGE followed by western blot with 66451-1-Ig (IRF4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 66451-1-Ig (IRF4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66451-1-Ig (IRF4 antibody) at dilution of 1:400 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66451-1-Ig (IRF4 antibody) at dilution of 1:400 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).