

For Research Use Only

# IRF4 Monoclonal antibody, PBS Only (Detector)



Catalog Number: 66451-1-PBS

## Basic Information

<b>Catalog Number:</b> 66451-1-PBS	<b>GenBank Accession Number:</b> BC015752	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1mg/ml	<b>GeneID (NCBI):</b> 3662	<b>CloneNo.:</b> 1A12D5
<b>Source:</b> Mouse	<b>ENSEMBL Gene ID:</b> ENSG00000137265	
<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> 50 kDa	

## Applications

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

**Species Specificity:**  
human, pig, rat

## 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.

## Storage

**Storage:**  
Store at -80°C.  
**Storage Buffer:**  
PBS only

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

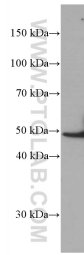
T: 4006900926

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.**

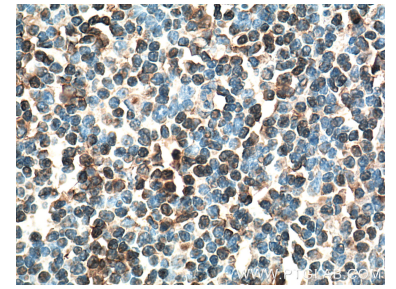
## Selected Validation Data



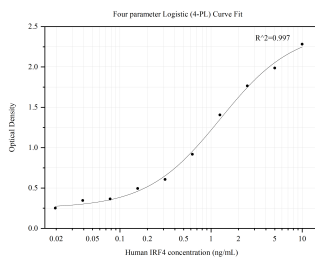
human spleen tissue were subjected to SDS PAGE followed by western blot with 66451-1-Ig (IRF4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66451-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66451-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66451-1-PBS in a different storage buffer formulation.



Sandwich ELISA standard curve of MP50012-1, IRF4 Monoclonal Matched Antibody Pair - BSA and Azide free. Capture antibody: 66451-2-PBS. Detection antibody: HRP-conjugated 66451-1-PBS. Standard: Ag25203. Range: 0.02-20 ng/mL