

For Research Use Only

# IRF8 Monoclonal antibody

Catalog Number: 67142-1-Ig



## Basic Information

<b>Catalog Number:</b> 67142-1-Ig	<b>GenBank Accession Number:</b> BC126247	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1700 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3394	<b>CloneNo.:</b> 3A10A4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q02556	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IF/ICC 1:400-1:1600
<b>Isotype:</b> IgG2b	<b>Full Name:</b> ICSBP1	
<b>Immunogen Catalog Number:</b> AG19909	<b>Calculated MW:</b> 426 aa, 48 kDa	
	<b>Observed MW:</b> 48 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b> WB : Ramos cells, Raji cells, Daudi cells IF/ICC : THP-1 cells,
<b>Species Specificity:</b> Human	

## Background Information

IRF8 also named as ICSBP1, is a transcription factor of the IFN regulatory factor (IRF) family. The IRF family proteins bind to the IFN-stimulated response element (ISRE) and regulate expression of genes stimulated by type I IFNs, namely IFN-alpha and IFN-beta. IRF family proteins also control expression of IFN-alpha and IFN-beta-regulated genes that are induced by viral infection. IRF8 specifically binds to the upstream regulatory region of type I IFN and IFN-inducible MHC class I genes (the IFN consensus sequence (ICS)). It plays a negative regulatory role in cells of the immune system. It is predominantly in lymphoid tissues.

## 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

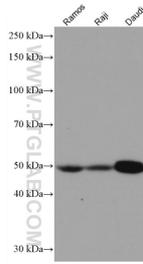
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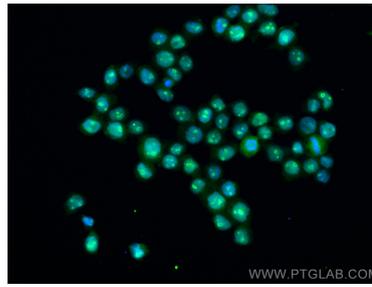
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67142-1-Ig (IRF8 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using IRF8 antibody (67142-1-Ig, Clone: 3A10A4) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).