

# IRF8 Monoclonal antibody

Catalog Number: 67142-1-Ig

## Basic Information

## Catalog Number:

67142-1-Ig

## Size:

1700 µg/ml

## Source:

Mouse

## Isotype:

IgG2b

## Immunogen Catalog Number:

AG19909

## GenBank Accession Number:

BC126247

## GeneID (NCBI):

3394

## UNIPROT ID:

Q02556

## Full Name:

ICSBP1

## Calculated MW:

426 aa, 48 kDa

## Observed MW:

48 kDa

## Purification Method:

Protein A purification

## CloneNo.:

3A10A4

## Recommended Dilutions:

WB 1:1000-1:6000

IF/ICC 1:400-1:1600

## Applications

## Tested Applications:

IF/ICC, WB, ELISA

## Species Specificity:

Human

## Positive Controls:

WB : Ramos cells, Raji cells, Daudi cells

IF/ICC : THP-1 cells,

## 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:

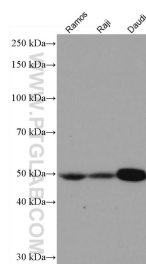
Store at -20°C. Stable for one year after shipment.

## Storage Buffer:

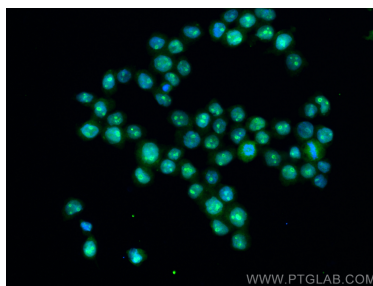
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## 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 AffiniPure Goat Anti-Mouse IgG(H+L).