

For Research Use Only

# IRF7 Recombinant antibody, PBS Only

Catalog Number: 85072-5-PBS



## Basic Information

Catalog Number:

85072-5-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18059

GenBank Accession Number:

BC136555

GeneID (NCBI):

3665

UNIPROT ID:

Q92985

Full Name:

IRF 7

Calculated MW:

516 aa, 56 kDa

Observed MW:

65 kDa

Purification Method:

Protein A purification

CloneNo.:

242613C2

## Applications

Tested Applications:

WB, FC (Intra), Indirect ELISA

Species Specificity:

human

## Background Information

IRF-7 (IFN regulatory factor 7) is a member of the IFN regulatory transcription factor (IRF) family. IRF-7 has been shown to play a role in the transcriptional activation of virus-inducible cellular proteins, including IFN beta chain proteins. Inducible expression of IRF-7 is largely restricted to lymphoid tissue. Four transcript variants encoding distinct isoforms (A,B,C and D) have been identified for this (PMID:9786932). The active IRF7A exists as a dimer form ~80 kDa (PMID:11073981). The MW 67-70 kDa has been reported in some papers (PMID:9786932; 22951831). Various posttranslational modifications of IRF7 including phosphorylation, ubiquitination, sumoylation and acetylation are identified (PMID:22951831).

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS only

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

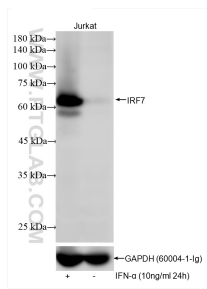
T: 4006900926

E: Proteintech-CN@ptglab.com

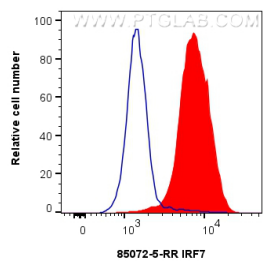
W: ptgcn.com

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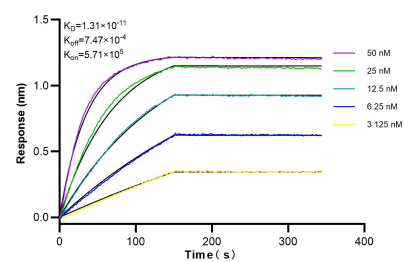
Selected Validation Data



IFN alpha treated and untreated Jurkat cell lysates were subjected to SDS PAGE followed by western blot with 85072-5-RR (IRF7 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85072-5-PBS in a different storage buffer formulation.



1x10<sup>6</sup> Jurkat cells were intracellularly stained with 0.25 ug IRF7 Recombinant antibody (85072-5-RR, Clone:242613C2) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 85072-5-PBS in a different storage buffer



Biolayer interferometry (BLI) kinetic assays of 85072-5-RR against Human IRF7 were performed. The affinity constant is 13.1 pM.