

For Research Use Only

IRF7 Recombinant antibody

Catalog Number: 85072-5-RR



Basic Information

Catalog Number:

85072-5-RR

Concentration:

1000 µg/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

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

WB : IFN alpha treated Jurkat cells,

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 -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

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

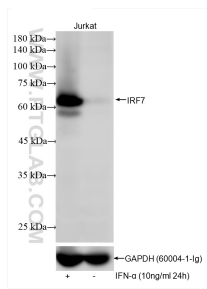
T: 4006900926

E: Proteintech-CN@ptglab.com

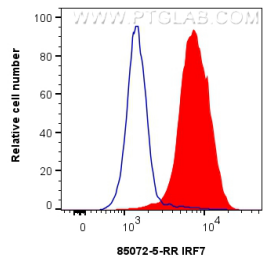
W: ptgcn.com

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

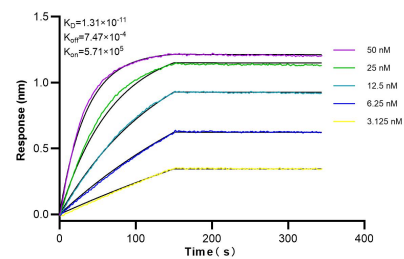
Selected Validation Data



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.



1x10⁶ 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).



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