

IRF7 Rabbit mAb

Catalog No.: A30011**Recombinant**

Basic Information

Observed MW

60 kDa

Calculated MW

54 kDa/51 kDa/18 kDa/56 kDa

Category

Monoclonal Antibodies

Applications

WB, IP, ELISA

Cross Reactivity

Human

Clone No.

ARC4039

Background

This gene encodes interferon regulatory factor 7, a member of the interferon regulatory transcription factor (IRF) family. It has been shown to play a role in the transcriptional activation of virus-inducible cellular genes, including interferon beta chain genes. Inducible expression of IRF7 is largely restricted to lymphoid tissue. The encoded protein plays an important role in the innate immune response against DNA and RNA viruses.

Recommended Dilutions

WB 1:4000 - 1:10000

IP

0.5 µg - 4 µg antibody for 200 µg - 400 µg extracts of whole cells

ELISA

Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$), a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

3665

Swiss-Prot

Q92985

Immunogen

This information is considered to be commercially sensitive.

Synonyms

IMD39; IRF-7; IRF7A; IRF7B; IRF7C; IRF7H; IRF-7H

Contact

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Product Information

Source

Rabbit

Isotype

IgG

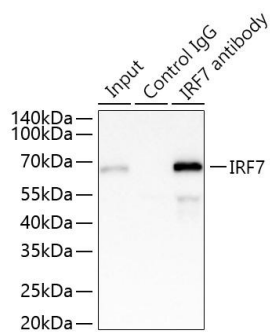
Purity

Affinity purification

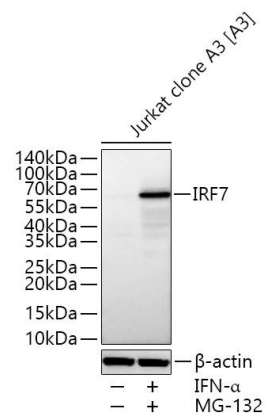
Storage

Store at -20°C

Validation Data



Immunoprecipitation of IRF7 from 300 µg extracts of Jurkat clone A3 [A3] cells treated with IFN-α (100 nM, 18 hours) and MG-132 (10 µM, 6 hours) was performed using 2 µg of IRF7 Rabbit mAb (A30011). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using IRF7 Rabbit mAb (A30011) at a dilution of 1:5000.



Western blot analysis of lysates from Jurkat clone A3 [A3] cells using IRF7 Rabbit mAb (A30011) at 1:10000 dilution incubated overnight at 4°C. Jurkat clone A3 [A3] cells were treated with IFN-α (100 nM) at 37°C for 18 hours and MG-132 (10 µM) at 37°C for 6 hours.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 30 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 45 s.