

**IRF7 Rabbit mAb****Catalog No.: A30004****Recombinant****Basic Information****Observed MW**

45–60 kDa

**Calculated MW**

51 kDa

**Category**

Monoclonal Antibodies

**Applications**

WB, IP, ELISA

**Cross Reactivity**

Mouse

**Clone No.**

ARC3555

**Background**

Enables DNA-binding transcription factor activity, RNA polymerase II-specific and cis-regulatory region sequence-specific DNA binding activity. Involved in several processes, including regulation of gene expression; regulation of toll-like receptor signaling pathway; and type I interferon-mediated signaling pathway. Acts upstream of or within immunoglobulin mediated immune response; positive regulation of type I interferon-mediated signaling pathway; and regulation of gene expression. Predicted to be located in cytosol and nucleoplasm. Predicted to be active in chromatin and nucleus. Is expressed in apical ectodermal ridge; central nervous system; liver; and ureter. Human ortholog(s) of this gene implicated in immunodeficiency 39. Orthologous to human IRF7 (interferon regulatory factor 7).

**Recommended Dilutions****WB** 1:10000 – 1:60000**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**

54123

**Swiss-Prot**

P70434

**Immunogen**

This information is considered to be commercially sensitive.

**Synonyms**

interferon regulatory factor 7

**Contact** | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)**Product Information****Source**

Rabbit

**Isotype**

IgG

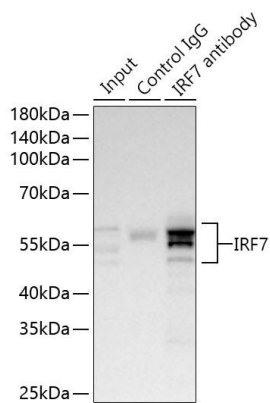
**Purity**

Affinity purification

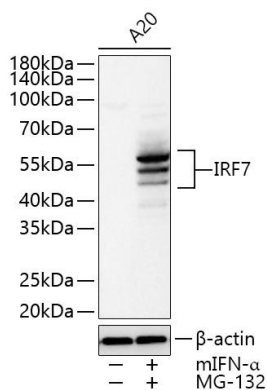
**Storage**

Store at -20°C

## Validation Data



Immunoprecipitation of IRF7 from 300 µg extracts of A20 cells treated with mIFN-α (100 nM, 18 hours) and MG-132 (10 µM, 6 hours) was performed using 0.6 µg of IRF7 Rabbit mAb (A30004). 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 (A30004) at a dilution of 1:10000.



Western blot analysis of lysates from A20 cells using IRF7 Rabbit mAb (A30004) at 1:60000 dilution incubated overnight at 4°C. A20 cells were treated with mIFN-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: 60 s.