

IFN-gamma Rabbit mAb

Catalog No.: A27845 **Recombinant**

Basic Information

Observed MW

17kDa/19kDa/23kDa

Calculated MW

19kDa

Category

Primary antibody

Applications

WB,IP,IF/ICC,IHC-P,ELISA

Cross-Reactivity

Human

CloneNo number

ARC68481

Background

This gene encodes a soluble cytokine that is a member of the type II interferon class. The encoded protein is secreted by cells of both the innate and adaptive immune systems. The active protein is a homodimer that binds to the interferon gamma receptor which triggers a cellular response to viral and microbial infections. Mutations in this gene are associated with an increased susceptibility to viral, bacterial and parasitic infections and to several autoimmune diseases.

Recommended Dilutions

WB	1:5000 - 1:30000
IP	0.5µg-4µg antibody for 500µg-700µg extracts of whole cells
IF/ICC	1:200 - 1:600
IHC-P	1:300-1:1200
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.For high- ratio antibody dilutions (≥1:10000) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

3458

Swiss Prot

P01579

Immunogen

Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms

IFG; IFI; IMD69

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

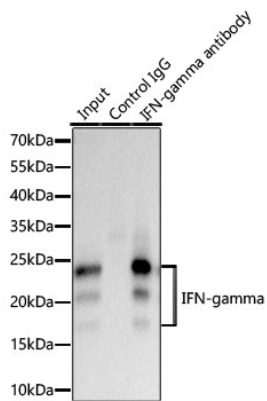
Contact

 | 400-999-6126

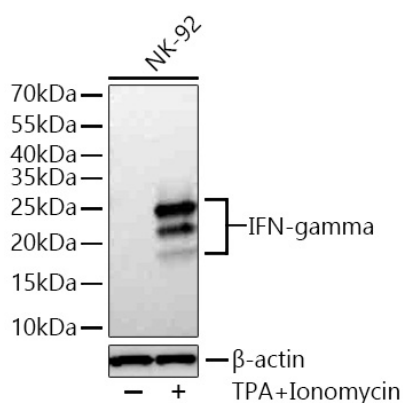
 | cn.market@abclonal.com.cn

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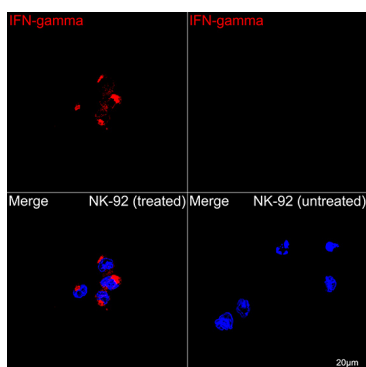
Validation Data



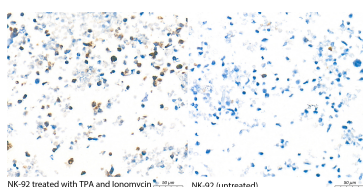
Immunoprecipitation of IFN-gamma from 600 µg extracts of NK-92 cells treated by TPA 80nM and Ionomycin 3µM for 4 hours was performed using 0.5 µg of IFN-gamma Rabbit mAb (A27845). Rabbit IgG isotype control (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1X reducing Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using IFN-gamma Rabbit mAb (A27845) at a dilution of 1:2000.



Western blot analysis of lysates from NK-92 cells using IFN-gamma Rabbit mAb (A27845) at 1:5000 dilution incubated overnight at 4°C. NK-92 cells were treated by TPA (80 nM) and Ionomycin (3 µM) at 37°C for 4 hours after serum-starvation overnight. 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: 45s.



Confocal imaging of NK-92 cells (treated with TPA and Ionomycin) and NK-92 cells (untreated) using IFN-gamma Rabbit mAb (A27845, dilution 1:300) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunohistochemistry analysis of paraffin-embedded tissue using IFN-gamma Rabbit mAb (A27845) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.