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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,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
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

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℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

Contact

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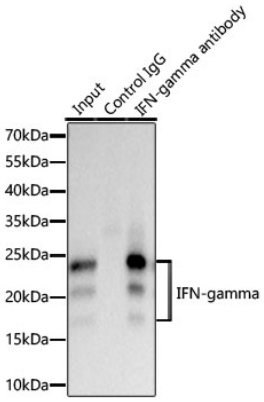
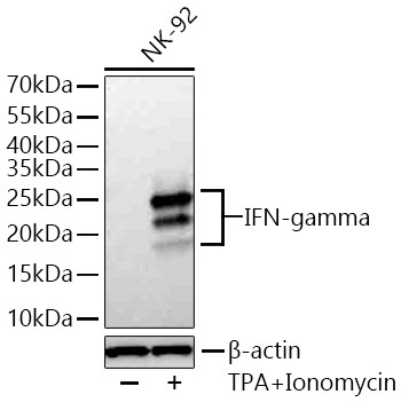
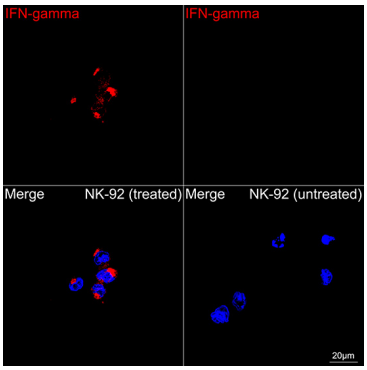
Validation Data



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℃. NK-92 cells were treated by TPA (80 nM) and Ionomycin (3 µM) at 37℃ 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.