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IFN-gamma Rabbit mAb

Catalog No.: A25684 Recombinant

Basic Information

Observed MW
17kDa

Calculated MW
19kDa

Category
Primary antibody

Applications
WB,FC (intra),ELISA

Cross-Reactivity
Human

CloneNo number
ARC67550

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	1:500 - 1:1000
FC (intra)	1:100 - 1:500
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 fusion protein containing a sequence corresponding to amino acids 24-166 of human IFN-gamma (NP_000610.2).

Synonyms
IFG; IFI; IMD69

Contact

400-999-6126

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Product Information

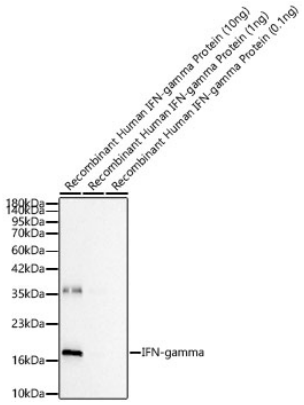
Source
Rabbit

Isotype
IgG

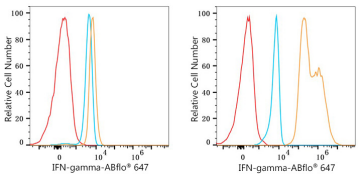
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

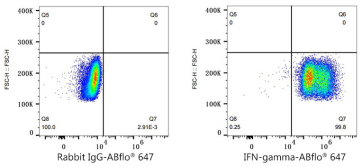
Validation Data



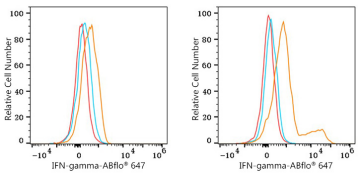
Western blot analysis of Active Recombinant Human IFN-gamma Protein (RP01038) using IFN-gamma Rabbit mAb (A25684) at 1:1000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 0.1ng - 10ng per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45s.



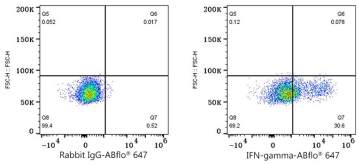
Flow cytometry: 1X10^6 293T cells (negative control,left) and 293T (Transfection,right) cells were intracellularly-stained with IFN-gamma Rabbit mAb (A25684,2 µg/mL,orange line) or Rabbit IgG isotype control (AC042,2 µg/mL,blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1X10^6 293T (Transfection) cells were intracellularly-stained with Rabbit IgG isotype control (AC042,2 µg/mL,left) or IFN-gamma Rabbit mAb (A25684,2 µg/mL,right), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining.



Flow cytometry: 1X10^6 PBMC (negative control,left) and PBMC (treated with TPA+Ionomycin+Brefeldin A,right) were intracellularly-stained with IFN-gamma Rabbit mAb (A25684,2 µg/mL,orange line) or Rabbit IgG isotype control (AC042,2 µg/mL,blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1X10^6 PBMC (treated with TPA+Ionomycin+Brefeldin A) were intracellularly-stained with Rabbit IgG isotype control (AC042,2 µg/mL,left) or IFN-gamma Rabbit mAb (A25684,2 µg/mL,right), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining.