

Rabbit anti-Rat IFN-gamma mAb (CAP)

Catalog No.: RM17900

Basic Information

Catalog No.
RM17900

Catagory
Elisa Antibody Kit

Application
ELISA

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification

Endotoxin Level

Storage
This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C.
Preservative □ 0.05% ProClin 300.
Avoid repeated freeze-thaw cycles.

Formulation
Supplied as a 0.2µm filtered solution in PBS with 0.05% ProClin 300, PH 7.4.

Contact

 | order@abclonal.com

 | support@abclonal.com

 | www.abclonal.com

Background

Type II interferon produced by immune cells such as T-cells and NK cells that plays crucial roles in antimicrobial, antiviral, and antitumor responses by activating effector immune cells and enhancing antigen presentation. Primarily signals through the JAK-STAT pathway after interaction with its receptor IFNGR1 to affect gene regulation. Upon IFNG binding, IFNGR1 intracellular domain opens out to allow association of downstream signaling components JAK2, JAK1 and STAT1, leading to STAT1 activation, nuclear translocation and transcription of IFNG-regulated genes. Many of the induced genes are transcription factors such as IRF1 that are able to further drive regulation of a next wave of transcription. Plays a role in class I antigen presentation pathway by inducing a replacement of catalytic proteasome subunits with immunoproteasome subunits. In turn, increases the quantity, quality, and repertoire of peptides for class I MHC loading. Increases the efficiency of peptide generation also by inducing the expression of activator PA28 that a...

Immunogen Information

Immunogen
Recombinant Rat IFN-gamma protein

Cross-Reactivity

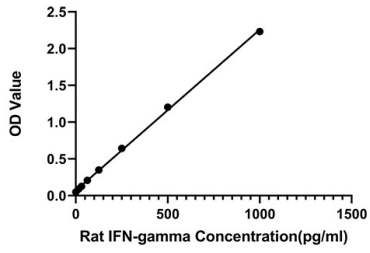
No cross-reactivity in ELISA assay with recombinant Rat IL-1 β, Rat IL-2, Rat IL-4, Rat IL-6, Rat IL-10, Rat TNF-α, Human IFN-γ, Mouse IFN-γ

Assay Applications

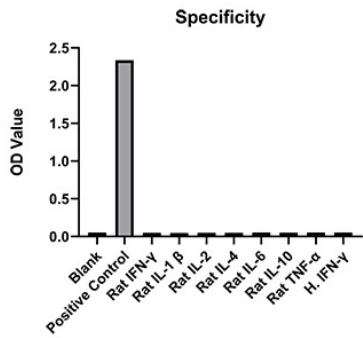
Rat IFN-gamma Sandwich ELISA Immunoassay

	Recommended Concentration	Sample
ELISA Capture	0.5-4µg/mL	Rabbit anti-Rat IFN-gamma (CAP)(Cat. No. RM17900)
ELISA Detection	0.333-0.0833µg/mL	Rabbit anti-Rat IFN-gamma (DET)(Cat. No. RM17901)
Standard	15.6-1000pg/mL	Recombinant Rat IFN-gamma Protein

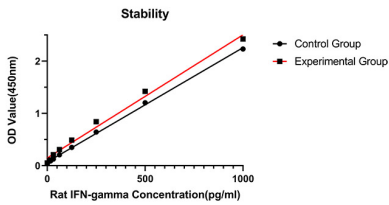
Validation Data



This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.



No significant cross-reactivity or interference was observed.



Placed at 37°C for 3 days, the stability of the standard curve all conform to CV <10%.