

# Rabbit anti-Human IFN- $\alpha$ mAb (DET)

**Catalog No.:** RM17742

## Basic Information

**Catalog No.**  
RM17742

**Category**  
Elisa Antibody Kit

**Application**  
ELISA, Multiplex, CLIA

## Product Information

**Ig Type**  
Rabbit IgG


**Purification**  
Affinity purification


**Endotoxin Level**

**Storage**  
Store at -20°C.  
**Avoid repeated freeze-thaw cycles.**

**Formulation**  
Supplied as a 0.2 $\mu$ m filtered solution in PBS with 0.05% Proclin300, PH 7.4.

## Contact

 | order@abclonal.com

 | support@abclonal.com

 | www.abclonal.com

## Background

This gene is a member of the alpha interferon gene cluster on chromosome 9. The encoded cytokine is a member of the type I interferon family that is produced in response to viral infection as a key part of the innate immune response with potent antiviral, antiproliferative and immunomodulatory properties. This cytokine, like other type I interferons, binds a plasma membrane receptor made of IFNAR1 and IFNAR2 that is ubiquitously expressed, and thus is able to act on virtually all body cells. The encoded protein is effective in reducing the symptoms and duration of the common cold and in treating many types of cancer, including some hematological malignancies and solid tumors. A deficiency of type I interferon in the blood is thought to be a hallmark of severe COVID-19 and may provide a rationale for a combined therapeutic approach.

## Immunogen Information

**Immunogen**  
Recombinant fusion protein containing a sequence corresponding to amino acids 24-188 of human IFN- $\alpha$  (NP\_000596.2).

## Cross-Reactivity

No cross-reactivity in ELISA with recombinant hIFN- $\beta$  hIFN-Lambda 1 hIFN-Lambda 2 hIFN- $\gamma$  mIFN- $\gamma$  mIFN- $\beta$  rIFN- $\gamma$

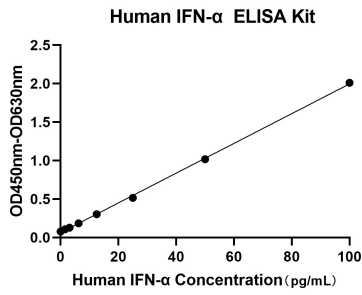
## Assay Applications

Human IFN- $\alpha$  Sandwich Immunoassay

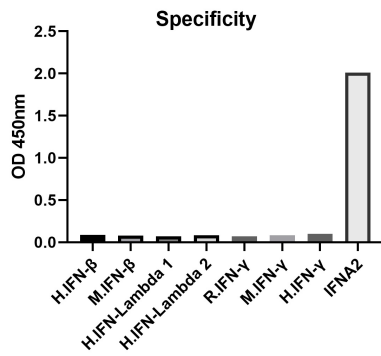
		Recommended Concentration	Sample
ELISA	Capture	1-4ug/mL	Rabbit anti-Human IFN- $\alpha$ mAb(Cat. No.RM17741)
	Detection	0.05-0.2ug/mL	Rabbit anti-Human IFN- $\alpha$ mAb(Cat. No.RM17742)
	Standard	1.56-100pg/mL	Rabbit anti-Human IFN- $\alpha$ Protein

ELISA	Capture	1-4ug/mL	Rabbit anti-Human IFN- $\alpha$ mAb(Cat. No.RM17817)
	Detection	0.05-0.2ug/mL	Rabbit anti-Human IFN- $\alpha$ mAb(Cat. No.RM17742)
	Standard	1.56-100pg/mL	Recombinant Human IFN- $\alpha$ Protein

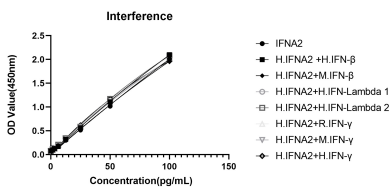
# Validation Data



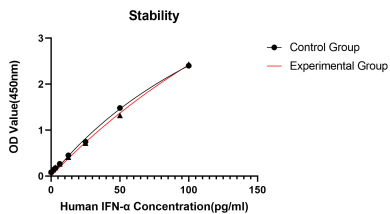
This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.



No significant cross-reactivity or interference was observed.



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%.