

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

**Catalog No.: RM17742**

## Basic Information

**Catalog No.**  
RM17742

**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-Free.

**Avoid repeated freeze-thaw cycles.**

**Formulation**  
Supplied as a 0.2um filtered solution in PBS with 0.1% BSA, MB-1, PH 7.4.

## Contact

 | [order@abclonal.com](mailto:order@abclonal.com)

 | [support@abclonal.com](mailto:support@abclonal.com)

 | [www.abclonal.com](http://www.abclonal.com)

## Background

Interferon-Alpha 2a (IFN-Alpha 2a), Human produced by leukocytes is a member of Interferon family. IFN-alpha is mainly involved in innate immune response against a broad range of viral infections. IFN-alpha 2 has three acid stable forms (a,b,c) signaling through IFNAR2. IFN-alpha 2a shares 99.4% , 98.8% aa sequence identity with IFN-alpha 2b and 2c respectively. IFN-alpha contains four highly conserved cysteine residues which form two disulfide bonds, one of which is necessary for biological activity.

## Immunogen Information

**Immunogen**  
Recombinant IFN- $\alpha$  Protein

## Cross-Reactivity

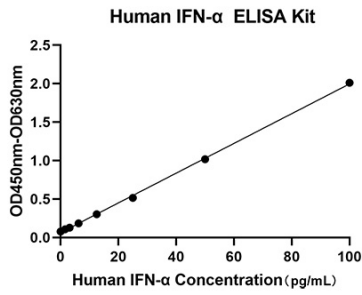
No cross-reactivity in ELISA assay with recombinant hIFN- $\beta$ , hIFN-Lambda 1, hIFN-Lambda 2, hIFN- $\gamma$ , mIFN- $\gamma$ , mIFN- $\beta$ , rIFN- $\gamma$

## Assay Applications

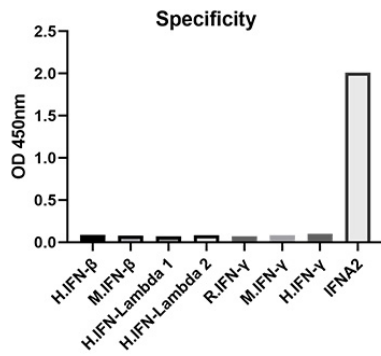
Human IFN- $\alpha$  Sandwich ELISA Immunoassay

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

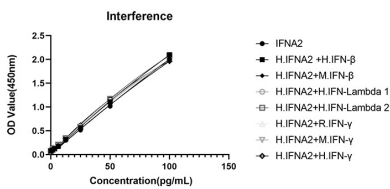
# Validation Data



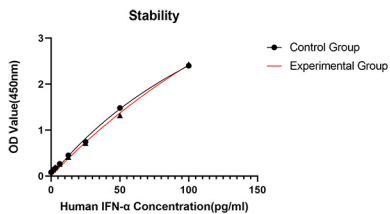
This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.



No significant cross-reactivity or interference was observed.



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