

## Basic Information

<b>Product Name</b>	Anti-IFN Gamma/IFNG Antibody	
<b>Gene Name</b>	IFNG	
<b>Source</b>	Rabbit	
<b>Clonality</b>	Polyclonal	
<b>Isotype</b>	IgG	
<b>Species Reactivity</b>	human, mouse, rat	
<b>Tested Application</b>	WB, IHC, ELISA(Cap)	
<b>Contents</b>	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg/ml BSA and 50% glycerol.	
<b>Immunogen</b>	E. coli-derived human Interferon gamma recombinant protein (Position: Q24-G161). Human Interferon gamma shares 40.3% and 36.7% amino acid (aa) sequence identity with mouse and rat Interferon gamma, respectively.	
<b>Concentration</b>	500 ug/ml	
<b>Purification</b>	Immunogen affinity purified.	
<b>Observed MW</b>	19 kDa	
<b>Dilution Ratios</b>	Western blot (WB):	1:500-2000
	Immunohistochemistry (IHC):	1:50-400
	ELISA(Cap):	1:100-1000
	(Boiling the paraffin sections in 10mM citrate buffer, pH6.0, or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

## Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

## Background Information

Interferon-gamma (IFN-gamma) is an inflammatory cytokine that has been implicated in the development of fibrosis in inflamed tissues. The production of IFN-gamma, which is under genetic control, can influence the development of fibrosis in lung allografts. IFN-gamma is also produced by natural killer (NK) cells and most prominently by CD8 cytotoxic T cells, and is vital for the control of microbial pathogens. Interferon gamma is believed to be crucial for host defence against many infections. Genetically determined variability in IFN-gamma and expression might be important for the development of tuberculosis. IFN-gamma activates human macrophage oxidative metabolism and antimicrobial activity. In addition to having antiviral activity, IFN-gamma

has important immunoregulatory functions. IFN-gamma plays an important role in the control of neointima proliferation.

## Reference

Anti-IFN Gamma/IFNG Antibody被引用在14文献中。

## Selected Validation Data

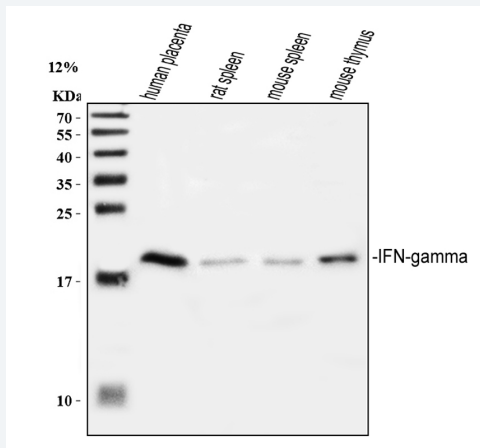


Figure 1. Western blot analysis of IFN Gamma/IFNG using anti-IFN Gamma/IFNG antibody (A00393-3). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human placenta tissue lysates,

Lane 2: rat spleen tissue lysates,

Lane 3: mouse spleen lysates,

Lane 4: mouse thymus tissue lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-IFN Gamma/IFNG antigen affinity purified polyclonal antibody (A00393-3) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for IFN Gamma/IFNG at approximately 19 kDa. The expected band size for IFN Gamma/IFNG is at 19 kDa.

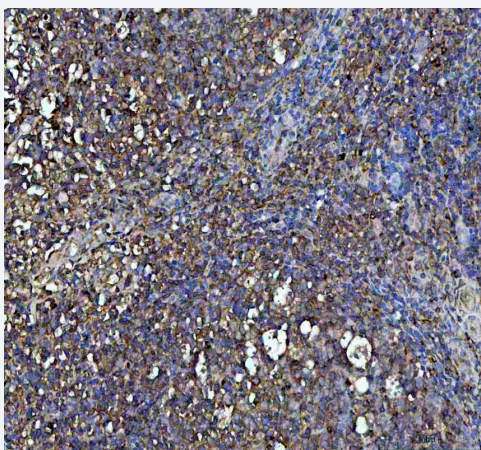


Figure 2. IHC analysis of IFN Gamma/IFNG using anti-IFN Gamma/IFNG antibody (A00393-3).

IFN Gamma/IFNG was detected in a paraffin-embedded section of mouse colon tissue. The tissue section was incubated with rabbit anti-IFN Gamma/IFNG Antibody (A00393-3) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1022) as the chromogen.

Product datasheet

## Anti-IFN Gamma/IFNG Antibody

Catalog Number: **A00393-3**

# BOSTER

antibody and ELISA experts

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