

## **IFN-gamma (Neutralizing) (Interferon-gamma). Rabbit Polyclonal Antibody , Human**

### **BACKGROUND**

Produced by lymphocytes activated by specific antigens or mitogens. IFN-gamma, in addition to having antiviral activity, has important immunoregulatory functions. It is a potent activator of macrophages, it has antiproliferative effects on transformed cells and it can potentiate the antiviral and antitumor effects of the type I interferons. Recombinant human IFN- $\gamma$

**IMPORTANT NOTE:** This product is provided in a total volume of 20  $\mu$ L. We recommend that upon initial thawing, this vial be briefly centrifuged to concentrate the antibody at the bottom of the vial. The contents of the vial should then be diluted 1:10 in medium or buffered solution with carrier protein by pipetting 180  $\mu$ L of the solution directly into the vial. A suitable buffer is PBS plus 0.1% BSA. Further dilutions should be made in medium or buffered solution containing carrier protein.

### **ORDERING INFORMATION**

**CATALOG NUMBER**  
X1909P

**SIZE**  
20  $\mu$ l

**FORM**  
Unconjugated

**HOST/CLONE**  
Rabbit

**FORMULATION**  
Neat Rabbit Sera

**CONCENTRATION**  
2.0 x10<sup>4</sup> Neutralization units/20  $\mu$ l

**ISOTYPE**  
IgG

**APPLICATIONS**  
ELISA, Western Blot,  
Immunoprecipitation,  
Immunohistochemistry, Neutralization

### **IMMUNOGEN**

Recombinant human IFN- $\gamma$

### **SPECIES REACTIVITY**

Human

### **COMMENTS**

One neutralization unit is the amount of antiserum required to neutralize 1 unit of Hu-IFN- $\gamma$ . Interferon was titrated with the use of the cytopathic effect inhibition assay as described<sup>1,2</sup>. In this antiviral assay for interferon about 1 unit/mL of interferon is the quantity necessary to produce 50% cytopathic effect. The units are determined with respect to the international reference standard for human interferon gamma (Hu-IFN- $\gamma$ ) provided by the National Institutes of Health<sup>3</sup>.

### **STORAGE**

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

### **STABILITY**

Products are stable for one year from purchase when stored properly

**For research use only. Not for use in human diagnostics or therapeutics.**

**POSITIVE CONTROL/TISSUE EXPRESSION**

Released primarily from activated T lymphocytes.

**SHIP CONDITIONS**

Ship on gel ice, store at -20°C immediately upon arrival

**REFERENCES**

1. Rubinstein, S., Familletti, P.C., and Pestka, S. (1981) "Convenient Assay for Interferons," J. Virol. 37, 755–758
2. Familletti, P.C., Rubinstein, S., and Pestka, S. (1981) "A Convenient and Rapid Cytopathic Effect Inhibition Assay for Interferon," in Methods in Enzymology, Vol. 78 (S. Pestka, ed.), Academic Press, New York, 387–394.
3. Pestka, S. (1986) "Interferon Standards and General Abbreviations," in Methods in Enzymology, Vol. 119 (S. Pestka, ed.), Academic Press, New York 14–23

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