

# MOUSE MONOCLONAL ANTIBODY AGAINST HUMAN INTERFERON ALPHA (MMHA-2)

Product Number: **21100-2**

Size: **500 µg**



## Product Information

*Description:* Mouse Anti-Human Interferon Alpha, neutralizing

*Clone:* MMHA-2

*Lot Number:* # 2765

*Contents:* 500 µg / vial

*Volume:* 0.1 ml

*Concentration:* 5 mg/ml

*Buffer:* phosphate buffered saline (PBS) containing 0.1% bovine serum albumin (BSA)

*Antigen:* human leukocyte interferon

*Isotype:* IgG<sub>1</sub> κ

*Bioactivity:* neutralizes human interferon alpha; binds to human interferon alpha with high affinity ( $K_A \cdot 10^9 M^{-1}$ )

*Assay Used to Measure Bioactivity:* One neutralization unit is the amount of antiserum required to neutralize one unit of human interferon alpha (Hu-IFN- $\alpha$ ) to a 50% endpoint. Interferon was titrated with the use of the cytopathic effect inhibition assay as described [Rubinstein, S., Familletti, P.C., and Pestka, S. (1981) "Convenient Assay for Interferons," *J. Virol.* **37**, 755-758; 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]. In this antiviral assay for interferon about 1 unit/ml of interferon is the quantity necessary to produce a cytopathic effect of 50%. The units are determined with respect to the international reference standard for Hu-IFN- $\alpha$  provided by the National Institutes of Health [see Pestka, S. (1986) "Interferon Standards and General Abbreviations," in *Methods in Enzymology* (S. Pestka, ed.), Academic Press, New York **119**, 14-23].

*Usage:* Western blot (1:500); immunoprecipitation; immunohistochemistry; ELISA

## Shipping Information

*Shipping Conditions:* Dry ice

*Physical State of Product During Shipping:* Frozen

*Special Conditions/Comments:* After receipt, this product should be kept at  $-20^\circ C$  or below for retention of full activity. When thawing, the contents of the tube should be apportioned in separate tubes so that freezing and thawing is kept to a minimum.

## Authorization

Released by: \_\_\_\_\_

Date: April 14, 2005

**This Product is for RESEARCH USE ONLY and is not for sale or use in any commercial kit.  
NOT FOR DIAGNOSTIC OR THERAPEUTIC USE, OR USE IN HUMANS.**