

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

Product Number: **21100-1**

Size: **50 mg**



Product Information

Description: Mouse Anti-Human Interferon Alpha, neutralizing

Clone: MMHA-2

Lot Number: #

Quantity Shipped: 1 vial of 50 µg

Concentration: 0.5 mg/ml

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

Antigen: human leukocyte interferon

Isotype: IgG₁ κ

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

Assay Used to Measure Bioactivity: One neutralization unit is the amount of antiserum required to neutralize one unit of human interferon alpha (Hu-IFN-α) 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-α 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]. This material is prepared specifically for effective neutralization of Hu-IFN-α.

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

Shipping & Storage Information

Date Shipped:

Shipping Temperature: Dry ice

Physical State of Product During Shipping: Frozen

Special Conditions/Comments: After receipt, this product should be kept at -20°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.

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

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