

## Anti-Human Interferon Alpha (MMHA-2) Neutralizing Monoclonal Antibody

<b>Catalog Number:</b>	CM2001	<b>Size:</b>	50 µg
<b>Description:</b>	Mouse Anti-Human Interferon Alpha, neutralizing		
<b>Clone:</b>	MMHA-2		
<b>Concentration:</b>	0.5 mg/ml		
<b>Buffer:</b>	phosphate buffered saline (PBS) containing 0.1% bovine serum albumin (BSA)		
<b>Antigen:</b>	human leukocyte interferon		
<b>Isotype:</b>	IgG <sub>1</sub> κ		
<b>Bioactivity:</b>	neutralizes human interferon alpha; binds to human interferon alpha with high affinity (K <sub>A</sub> ≈10 <sup>9</sup> M <sup>-1</sup> )		

### Assay Used to Measure Bioactivity:

One neutralization unit is the amount of antiserum required to neutralize one unit of human interferon alpha (hIFN-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 hIFN-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 hIFN-α.

<b>Usage:</b>	Western blot (1:500); immunoprecipitation; immunohistochemistry; ELISA
<b>Shipping Temperature:</b>	Dry ice
<b>Physical State of Product During Shipping:</b>	Frozen
<b>Special Conditions/Comments:</b>	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.

**Usage:** For Research Use Only. Not for use in diagnostic procedures.

**Country of Origin:** USA

\* This is a generic data sheet and may be subject to change. Please see the package insert shipped with your product for current data.



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