



promising results

GTCTCTTACC CCGATGTTCA ACCAAAAG ACTTACTACC TTTATTTTAT GTTTACTTTT TATAGATGGT CTTTTTATC
TCCTTACTGC CGTGCACAA ACACATAAA AAAACAGTGA AATACTACTA CATCAAAACG CATATTCCCT AGAAAAAAA

MOUSE MONOCLONAL ANTIBODY AGAINST HUMAN INTERFERON ALPHA (MMHA-8)

Product Number: 21110-1

Lot Number:

Size: 50 µg

Description: Mouse Anti-Human Interferon Alpha, neutralizing

Clone: MMHA-8

Contents: 50 µg/vial

Volume: 0.1 ml

Concentration: 0.5 mg/ml

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

Endotoxin: < 1 EU/µg

Antigen: human leukocyte interferon

Isotype: Mouse IgG_{2b} kappa

Purity: > 95%

Purification Method: A combination of ion exchange, hydrophobic interaction and size exclusion chromatography.

Specificity: Neutralizes human interferon alpha; binds to human interferon alpha with high affinity ($K_A \approx 10^9 \text{ M}^{-1}$)

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].

Tested Applications: ELISA, Neutralization

Optimal dilutions should be determined by each laboratory for each application

Shipping Conditions: Dry ice

Physical State of Product During Shipping: Frozen

Special Conditions/Comments: After receipt, this product should be kept at -70 °C or below for retention of full activity. Thaw product vial by incubation in cold tap water until just thawed - the contents of the tube should be apportioned in separate tubes so that freezing and thawing is kept to a minimum. Refreezing should be done on dry ice or in a dry ice/alcohol bath. Further dilution of the product should be

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in buffers containing protein such as 0.1% bovine serum albumin (BSA). For more information on protein handling visit the PBL website at www.interferonsource.com.

For further product information visit www.interferonsource.com

Authorization

Released by: _____

Date:

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Rev.01