

## Anti-Human Interferon Beta (MMHB-1) Neutralizing Monoclonal Antibody

**Catalog Number:** CM2016      **Size:** 50 µg in 0.1 ml

**Lot Number:** 1875

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

**Clone:** MMHB-1

**Concentration:** 0.5 mg/ml

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

**Antigen:** human interferon beta

**Isotype:** IgG<sub>2a</sub>K

**Bioactivity:** neutralizes human interferon beta; binds to human interferon beta with high affinity

### Assay Used to Measure Bioactivity:

One neutralization unit is the amount of antiserum required to neutralize one unit of human interferon beta (hIFN-β) 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-β 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].

**Applications:** Western blot; immunoprecipitation; immunohistochemistry; ELISA

**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.

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

**Country of Origin:** USA

