



## RABBIT ANTI-HUMAN INTERFERON BETA POLYCLONAL ANTIBODY

**CATALOG NUMBER:** AB1431

**LOT NUMBER:**

**QUANTITY:** XX  $\mu$ L

**CONCENTRATION:** ~1.0 mg/mL

**UNITS:**  $2.0 \times 10^4$  units

**SPECIFICITY:** Human interferon beta.

**BIOACTIVITY:**  $XX \times 10^5$  neutralization units/mL

One neutralization unit is the amount of antiserum required to neutralize one unit of human interferon beta (Hu-IFN- $\beta$ ) 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," in *J. Virol.*, Vol. **37**, 755-758]; [Familletti, P.C., Rubinstein, S., and Pestka, S. (1981) "A Convenient and Rapid Cytopathic Effect Inhibition Assay for Interferon," in *Methods of 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 human interferon beta 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 the effective neutralization of human interferon beta.

**APPLICATIONS:** Interferon neutralization  
Immunohistochemistry  
Western blot (1:5,000)  
Immunoprecipitation  
ELISA  
Optimal working dilutions must be determined by end user.

**FORMAT:** Rabbit serum.

**PRESENTATION:** Neat serum.

**STORAGE/HANDLING:** Maintain at -20°C or below in undiluted aliquots for up to 6 months for retention of full activity. Avoid repeated freeze-thaw cycles.

**Important Note:** During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200  $\mu$ L or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.

FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC  
PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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28820 Single Oak Drive • Temecula, CA 92590  
Technical Support: T: 1-800-MILLIPORE (1-800-645-5476) • F: 1-800-437-7502  
www.millipore.com