

Anti-Human Interferon Alpha Neutralizing Polyclonal Antibody

Catalog Number: CP2001 **Size:** 1 x 10⁵ units

Lot Number: 1996

Description: Sheep Anti-Human Interferon Alpha

Bioactivity: 1 x 10⁶ neutralization units/ml

Concentration: 0.5 mg/ml

Form: neat serum

Antigen: recombinant human interferon alpha A

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 .

Usage: Western blot (1:500); immunoprecipitation; immunohistochemistry; ELISA (1:100 for detection)

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

