RABBIT POLYCLONAL ANTIBODY AGAINST RAT INTERFERON BETA, NEUTRALIZING

Product Number: 33400-1 Expiration date: November 30, 2016
Lot Number: 5655
Size: 500 μg

Description: Rabbit Anti-Rat Interferon Beta, Protein A purified, neutralizing

Contents: 500 μg/vial, lyophilized

Volume: 0.5 ml

Concentration: 1 mg/ml after reconstitution with 0.5ml sterile distilled water.

Buffer: Prior to lyophilization: 0.5ml phosphate buffered saline (PBS) + 125 mM trehalose

Purification: Antibodies were sequentially purified by ammonium sulphate precipitation, Protein A-affinity chromatography

Antigen: Recombinant rat interferon beta derived from Chinese hamster ovary (CHO) cells

Bioactivity: >5 x 10^3 neutralizing units/mg

Assay Used to Measure Bioactivity:
One neutralization unit is the amount of antisera required to neutralize one unit of recombinant rat interferon beta (rat IFN-β) to a 50% endpoint [one unit corresponds to approximately 15 pg of purified rat IFN-β]. 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%. As there is no international rat IFN-β standard, the units are determined with respect to the international reference standard for mouse interferon beta (mouse IFN-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]. This material is prepared specifically for effective neutralization of rat IFN-β.

Suggested Applications: Western blot; ELISA

Please note that these applications are presented for suggested use only and have not been fully evaluated by PBL


Shipping Information

Shipping Conditions: Wet ice

Physical State of Product During Shipping: Lyophilized

Special Conditions/Comments: After receipt this product should be kept at 2-8°C for retention of full activity. Once reconstituted in sterile distilled water the material should be apportioned into separate tubes, so that freezing and thawing is kept to a minimum, and stored at -20°C or below for retention of full activity. For more information on protein handling, visit the PBL website at www.interferonsource.com.
Authorization

Released by: ________________________  Date: November 26, 2012

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