## **invitrogen**™

Page 1 of 2

## Sheep (polyclonal) Anti-Human Interferon-beta (IFN-β)

## **PRODUCT ANALYSIS SHEET**

Catalog Number:	AHC4024
Lot Number:	See product label
Formulation:	Sheep serum diluted in phosphate buffered saline
Quantity/Volume:	See product label
Concentration:	$2.0 \ge 10^5$ neutralization units/mL
Immunogen:	Recombinant human interferon-beta (Hu-IFN-B) produced in E. coli.
Assay Used to Measure Biological Activity:	One neutralization unit is the amount of antiserum required to neutralize 1 unit of 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," <i>J. Virol.</i> 37, 755-758; Familletti, P.C., Rubinstein, S., and Pestka, S. (1981) "A Convenient and Rapid Cytopathic Effect Inhibition Assay for Interferon," in <i>Methods in Enzymology</i> , 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 50% cytopathic effect. The units are determined with respect to the international reference standard for human interferon beta (Hu-IFN- $\beta$ ) provided by the National Institutes of Health [see Pestka, S. (1986) "Interferon Standards and General Abbreviations," in <i>Methods in</i> <i>Enzymology</i> , Vol. 119 (S. Pestka, ed.), Academic Press, New York, 14-23].
Applications:	Neutralization studies, ELISA, Western blot analysis, immunoprecipitation, and immunohistochemistry.
Dilution <b>Recommendations:</b>	Further dilutions should be made in buffered solutions containing carrier protein, such as PBS with 0.1-1.0% BSA.
Storage:	Store at $\leq -20^{\circ}$ C. Upon initial thawing, apportion into working aliquots and store at $\leq -20^{\circ}$ C. Avoid repeated freeze/thaw cycles.
Expiration Date:	Expires one year from date of receipt when stored as instructed.

This product is for research use only. Not for use in diagnostic procedures.

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AHC4024

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Page 2 of 2

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