### Rabbit (polyclonal) Anti-Human Interferon-alpha

**PRODUCT ANALYSIS SHEET**

<table>
<thead>
<tr>
<th><strong>Catalog Number:</strong></th>
<th>AHC4815</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Lot Number:</strong></td>
<td>See product label</td>
</tr>
<tr>
<td><strong>Quantity/Volume:</strong></td>
<td>$1 \times 10^5$ neutralization units contained in 0.1 mL</td>
</tr>
<tr>
<td><strong>Formulation:</strong></td>
<td>Neat rabbit serum diluted in phosphate buffered saline (PBS).</td>
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<tr>
<td><strong>Immunogen:</strong></td>
<td>Recombinant human interferon-alpha (IFN-αA)</td>
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</table>

**Assay Used to Measure Biological Activity:**

One neutralization unit is the amount of antiserum required to neutralize 1 unit of Hu-IFN-α to a 50% endpoint. Interferon was titrated with the use of the cytopathic effect inhibition assay as described by Familletti, et al. (1981) and Rubinstein, et al. (1981). 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-alpha (Hu-IFN-α provided by the National Institutes of Health [see Pestka, 1986]).

**Specificity:**

Binds well with IFN-αA, IFN-αA/D, IFN-αK. Binds moderately well to IFN-αD. Does not bind with IFN-αB2, IFN-αC, IFN-αF, IFN-αG, IFN-αH, IFN-αI, IFN-αJ, IFN-β or IFN-γ. Other subtypes have not been tested.

**Applications:**

Suitable for use in neutralization, ELISA, immunoprecipitation, immunohistochemistry, and Western blotting (suggested working dilution: 1:500). The optimal concentration should be determined for each specific application.

**Dilution Recommendations:**

Further dilutions should be made in medium or buffered solutions containing carrier protein, such as PBS with 1.0% BSA.

**Storage:**

Store at $\leq -20^\circ$C. Upon initial thawing, apportion the contents 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.

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

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AHC4815  

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References:


