Description: RECOMBINANT CHICKEN INTERFERON ALPHA

Name: IFN ALPHA

Other names: INTERFERON ALPHA

Format: Rec. Protein

Product Type: Recombinant Protein

Quantity: 50 µg

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

<table>
<thead>
<tr>
<th>Suggested Dilution</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELISA</td>
<td></td>
<td></td>
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<tr>
<td>Functional Assays</td>
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</table>

Where this protein has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species

Chicken

Product Form

Purified recombinant protein expressed in E.coli - liquid.

Preparation

Recombinant protein prepared from E.coli

Buffer Solution

- 0.05M Sodium Acetate
- 1M Sodium Chloride
- 0.01M Tris-HCl
- 2M Urea
- 10mM Beta-Mercaptoethanol

Preservative Stabilisers

None present

Approx. Protein Concentrations

Total protein concentration 1.0 mg/ml
**Product Information**

**Recombinant Chicken interferon alpha** (IFN alpha) shares structural and biological properties with mammalian IFN1. Recombinant chicken IFN alpha (rChIFNa) has been shown to act as a highly potent anti-viral agent \textit{in vitro} (Schultz, U. \textit{et al.} 1995). rChIFNa also resulted in a noticeable delay in the progression of tumors in CC progressor chickens infected with Rous Sarcoma Virus, when administered intravenously (Plachy, J. \textit{et al.} 1999).

Recombinant chicken interferon alpha is the immunogen used to produce the polyclonal Rabbit anti Chicken interferon alpha antibody.

<table>
<thead>
<tr>
<th><strong>Protein Molecular Weight</strong></th>
<th>19 kD</th>
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<tbody>
<tr>
<td><strong>Activity</strong></td>
<td>$1 \times 10^7$ units/mg</td>
</tr>
<tr>
<td><strong>Purity</strong></td>
<td>$&gt;85%$ by Ni chelate chromatography</td>
</tr>
</tbody>
</table>

**References**

Storage

Store at -20°C only.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein.

This product should be stored undiluted.

Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

3 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #20481 available at:
https://www.bio-rad-antibodies.com/SDS/PAP004
20481

Regulatory

For research purposes only

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M373928:201014'

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