Datasheet: PAP004

Description: RECOMBINANT CHICKEN INTERFERON ALPHA
Name: IFN ALPHA
Other names: INTERFERON ALPHA
Format: Rec. Protein
Product Type: Recombinant Protein
Quantity: 50 µg

Product Details

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](http://www.bio-rad-antibodies.com/protocols).

<table>
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<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<td>ELISA</td>
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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
2M Urea
10mM Beta-Mercaptoethanol

Preservative Stabilisers

None present

Approx. Protein Concentrations

Total protein concentration 1.0 mg/ml

External Database Links

- UniProt: P42165 [Related reagents](http://www.bio-rad-antibodies.com/related-reagents)
- Entrez Gene: 396398 IFNA3 [Related reagents](http://www.bio-rad-antibodies.com/related-reagents)

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 in vitro (Schultz, U. 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. et al. 1999).

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

### Protein Molecular Weight
- 19 kD

### Activity
- 1x10^7 units/mg

### Purity
- >85% by Ni chelate chromatography

### 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.

### Shelf Life
- 3 months from date of despatch

### Health And Safety Information

### Regulatory
- For research purposes only