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.

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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
- 0.01M Tris-HCl
- 2M Urea
- 10mM Beta-Mercaptoethanol

Preservative Stabilisers

None present

Approx. Protein Concentrations

Total protein concentration 1.0 mg/ml
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.

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**Protein Molecular Weight**

19 kD

**Activity**

$1 \times 10^7$ 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.

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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