

## Datasheet: AHP943Z

<b>Description:</b>	RABBIT ANTI CHICKEN INTERFERON ALPHA:Preservative Free
<b>Specificity:</b>	IFN ALPHA
<b>Other names:</b>	INTERFERON ALPHA
<b>Format:</b>	Preservative Free
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.5 mg

## 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).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation	▪			
Western Blotting	▪			
Functional Assays	▪			

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Chicken
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antisera to chicken Interferon alpha were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography on protein A.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein</b>	IgG concentration 0.5 mg/ml

## Concentrations

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**Immunogen** [Recombinant chicken IFN \$\alpha\$](#)  (PAP004)

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## External Database Links

**UniProt:**

[P42165](#) [Related reagents](#)

**Entrez Gene:**

[396398](#) IFNA3 [Related reagents](#)

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**RRID** AB\_2122227

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## Specificity

**Rabbit anti Chicken interferon alpha antibody** recognizes chicken Interferon alpha (chIFN $\alpha$ ). Similarities exist between chicken IFN and mammalian IFN $\alpha$ , revealing the conservation of cysteine residues and the existence of around ten closely related intron-less IFN alpha genes ([Sick \*et al.\* 1996](#)), chIFN-alpha genes are strongly expressed following viral infection of monocyte-derived macrophage and embryo fibroblasts and acts as a potent antiviral agent ([Schwartz \*et al.\* 2004](#)).

Rabbit anti Chicken interferon alpha antibody (**AHP943Z**) cross reacts with IFN beta in western blots but does not show any cross reactivity with IFN gamma and in bioassays, Rabbit anti Chicken interferon alpha antibody neutralizes chIFN-alpha, but not chIFN-beta, and can therefore be used to discriminate IFN alpha and IFN beta bioactivities ([Schwartz \*et al.\* 2004](#)).

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**Western Blotting** AHP943Z detects a band of approximately 19kDa.

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## References

1. Schwarz, H. *et al.* (2004) Synthesis of IFN-beta by virus-infected chicken embryo cells demonstrated with specific antisera and a new bioassay. [J Interferon Cytokine Res. 24 \(3\): 179-84.](#)

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## Further Reading

1. Staeheli, P. *et al.* (2001) Cytokines of birds: conserved functions--a largely different look. [J Interferon Cytokine Res. 21 \(12\): 993-1010.](#)
  2. Sick, C. *et al.* (1996) A family of genes coding for two serologically distinct chicken interferons. [J Biol Chem. 271 \(13\): 7635-9.](#)
  3. Schultz, U. *et al.* (1995) Recombinant chicken interferon: a potent antiviral agent that lacks intrinsic macrophage activating factor activity. [Eur J Immunol. 25 \(3\): 847-51.](#)
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## Storage

Store at -20°C only.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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## Guarantee

12 months from date of despatch

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## Health And Safety Information

Material Safety Datasheet documentation #10162 available at:

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

### Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

**North & South** Tel: +1 800 265 7376

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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