

Datasheet: AHP943Z

**BATCH NUMBER 161110**

<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.

**Target Species** Chicken

**Product Form** Purified IgG - liquid

**Antiserum Preparation** Antisera to chicken Interferon alpha were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography on protein G.

**Buffer Solution** Phosphate buffered saline

**Preservative Stabilisers** None present

<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml
<b>Immunogen</b>	<a href="#">Recombinant chicken IFN<math>\alpha</math></a> (PAP004)
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P42165</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">396398</a> IFNA3    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_2122227
<b>Specificity</b>	<p><b>Rabbit anti Chicken interferon alpha antibody</b> recognizes chicken Interferon alpha (chIFN<math>\alpha</math>). Similarities exist between chicken IFN and mammalian IFN<math>\alpha</math>, revealing the conservation of cysteine residues and the existence of around ten closely related intron-less IFN alpha genes (<a href="#">Sick <i>et al.</i> 1996</a>), chIFN-alpha genes are strongly expressed following viral infection of monocyte-derived macrophage and embryo fibroblasts and acts as a potent antiviral agent (<a href="#">Schwartz <i>et al.</i> 2004</a>).</p> <p>Rabbit anti Chicken interferon alpha antibody (<b>AHP943Z</b>) 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 (<a href="#">Schwartz <i>et al.</i> 2004</a>).</p>
<b>Western Blotting</b>	AHP943Z detects a band of approximately 19kDa.
<b>References</b>	1. Schwarz, H. <i>et al.</i> (2004) Synthesis of IFN-beta by virus-infected chicken embryo cells demonstrated with specific antisera and a new bioassay. <a href="#">J Interferon Cytokine Res. 24 (3): 179-84.</a>
<b>Further Reading</b>	<p>1. Staeheli, P. <i>et al.</i> (2001) Cytokines of birds: conserved functions--a largely different look. <a href="#">J Interferon Cytokine Res. 21 (12): 993-1010.</a></p> <p>2. Sick, C. <i>et al.</i> (1996) A family of genes coding for two serologically distinct chicken interferons. <a href="#">J Biol Chem. 271 (13): 7635-9.</a></p> <p>3. Schultz, U. <i>et al.</i> (1995) Recombinant chicken interferon: a potent antiviral agent that lacks intrinsic macrophage activating factor activity. <a href="#">Eur J Immunol. 25 (3): 847-51.</a></p>
<b>Storage</b>	<p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety</b>	Material Safety Datasheet documentation #10162 available at:

**Information** <https://www.bio-rad-antibodies.com/SDS/AHP943Z>  
10162

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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 (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)  
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

### Recommended Useful Reagents

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

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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)  
'M364375:200529'

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