

## 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 G.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	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>	<b>UniProt:</b>

**Entrez Gene:**

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

<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 <math>\alpha</math> genes (<a href="#">Sick <i>et al.</i> 1996</a>), chIFN-<math>\alpha</math> 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-<math>\alpha</math>, but not chIFN-<math>\beta</math>, and can therefore be used to discriminate IFN <math>\alpha</math> and IFN <math>\beta</math> 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>	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> 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> 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>
<b>Storage</b>	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.
<b>Shelf Life</b>	18 months from date of despatch.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10162 available at: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)	<a href="#">FITC</a>
Sheep Anti Rabbit IgG (STAR35...)	<a href="#">RPE</a>
Goat Anti Rabbit IgG (H/L) (STAR124...)	<a href="#">HRP</a>
Goat Anti Rabbit IgG (Fc) (STAR121...)	<a href="#">Biotin</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Sheep Anti Rabbit IgG (2AB02...)	<a href="#">Biotin</a>

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),  
[DyLight®680](#), [DyLight®800](#)

## 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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