

Datasheet: AHP943Z

BATCH NUMBER 156597

Description:	RABBIT ANTI CHICKEN INTERFERON ALPHA:Preservative Free
Specificity:	IFN ALPHA
Other names:	INTERFERON ALPHA
Format:	Preservative Free
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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 A.

Buffer Solution Phosphate buffered saline

Preservative Stabilisers None present

Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Recombinant chicken IFNα (PAP004)
External Database Links	<p>UniProt: P42165 Related reagents</p> <p>Entrez Gene: 396398 IFNA3 Related reagents</p>
RRID	AB_2122227
Specificity	<p>Rabbit anti Chicken interferon alpha antibody recognizes chicken Interferon alpha (chIFNα). Similarities exist between chicken IFN and mammalian IFNα, revealing the conservation of cysteine residues and the existence of around ten closely related intron-less IFN alpha genes (Sick <i>et al.</i> 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 <i>et al.</i> 2004).</p> <p>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 <i>et al.</i> 2004).</p>
Western Blotting	AHP943Z detects a band of approximately 19kDa.
References	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. J Interferon Cytokine Res. 24 (3): 179-84.
Further Reading	<p>1. Staeheli, P. <i>et al.</i> (2001) Cytokines of birds: conserved functions--a largely different look. J Interferon Cytokine Res. 21 (12): 993-1010.</p> <p>2. Sick, C. <i>et al.</i> (1996) A family of genes coding for two serologically distinct chicken interferons. J Biol Chem. 271 (13): 7635-9.</p> <p>3. Schultz, U. <i>et al.</i> (1995) Recombinant chicken interferon: a potent antiviral agent that lacks intrinsic macrophage activating factor activity. Eur J Immunol. 25 (3): 847-51.</p>
Storage	<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>
Guarantee	12 months from date of despatch
Health And Safety	Material Safety Datasheet documentation #10162 available at:

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

Regulatory For research purposes only

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 America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
----------------------------------	---	------------------	---	---------------	---

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)
'M386899:210601'

Printed on 18 Jan 2024

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)