

Datasheet: AHP943Z

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 G.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein	IgG concentration 0.5 mg/ml

Concentrations

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

External Database Links

UniProt:

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

Entrez Gene:

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

RRID AB_2122227

Specificity

Rabbit anti Chicken interferon alpha antibody recognizes chicken Interferon alpha (chIFN α). Similarities exist between chicken IFN and mammalian IFN α , 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](#)).

Western Blotting AHP943Z detects a band of approximately 19kDa.

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.](#)

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.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10162 available at:
10162: <https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

Related Products

Recommended Secondary Antibodies

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

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

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

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

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

Recommended Useful Reagents

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

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