

## Datasheet: AHP944Z

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

## Product Details

**RRID** AB\_566994

**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 Beta were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared by affinity chromatography on protein G.

**Buffer Solution** Phosphate buffered saline

**Preservative Stabilisers** None present.

**Approx. Protein Concentrations** IgG concentration 0.5 mg/ml

**Immunogen** Recombinant chicken Interferon Beta.

**External Database  
Links**

**UniProt:**

[Q90873](#)   [Related reagents](#)

**Entrez Gene:**

[554219](#)   IFNB   [Related reagents](#)

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**Synonyms**

IFN2

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**Specificity**

**Rabbit anti Chicken Interferon beta antibody** recognizes chicken Interferon beta (chIFN-beta). Reports suggest that chIFN exhibits properties similar to mammalian IFN type I (IFN1).

Functional studies revealed the presence of two distantly related IFN1 genes, designated as IFN alpha and IFN beta, found on chicken chromosome Z. The serological distinction between these two IFNs has been verified using neutralisation assays, and there is evidence that the antiviral activity of chIFN-beta is approximately ten-fold less compared to chIFN-alpha. This would suggest that chIFNbeta might have a different physiological role, though chIFN-beta is expressed strongly in virus-infected cells. Rabbit anti Chicken Interferon beta antibody (**AHP944Z**) does not cross react with IFN gamma.

This antiserum neutralizes chIFN-beta and can be used to discriminate IFN alpha and IFN beta bioactivities, ([Schwarz, H.et al.](#)).

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**Western Blotting**

AHP944Z detects a band of approximately 20 kDa.

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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.](#)

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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**

18 months from date of despatch.

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**Health And Safety  
Information**

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

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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](#)

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

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
Sheep Anti Rabbit IgG (STAR36...) [DyLight@488](#), [DyLight@549](#), [DyLight@649](#),  
[DyLight@680](#), [DyLight@800](#)  
Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)

## 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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