

## Datasheet: AHP945Z

<b>Description:</b>	RABBIT ANTI CHICKEN INTERFERON GAMMA:Preservative Free
<b>Specificity:</b>	IFN GAMMA
<b>Other names:</b>	INTERFERON GAMMA
<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	▪			10ug/ml - 50ug/ml

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 Gamma were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared by affinity chromatography on protein A.
<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>	Recombinant chicken interferon gamma
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P49708</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">396054</a> IFNG    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_566996
<b>Specificity</b>	<p><b>Rabbit anti Chicken interferon gamma antibody</b> recognizes chicken interferon gamma (chIFN-gamma). There are at least three distinct chicken interferon proteins, designated as chIFN-alpha, chIFN-beta and chIFN-gamma.</p> <p>chIFN-gamma was first identified, when supernatant from chicken spleen cells stimulated with concanavalin A (ConA ), displayed macrophage-activating factor (MAF) activity - the principle function of mammalian type II IFN-gamma (<a href="#">Vonbulow <i>et al.</i> 1984</a>). Cloning of IFN-gamma cDNA from activated chicken T cells indicates that recombinant chicken IFN-gamma activates macrophages, strongly upregulating the expression of MHC class II and iNOS genes (<a href="#">Weining <i>et al.</i> 1996</a>).</p> <p>Rabbit anti Chicken interferon gamma antibody can be used to neutralize chIFN-gamma activity and to discriminate the antiviral activity of chIFN-gamma from that of chIFN-alpha and chIFN-beta (<a href="#">Weining <i>et al.</i> 1996</a>).</p>
<b>Western Blotting</b>	AHP945Z detects a band of approximately 18 kDa.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Wei, Y. <i>et al.</i> (2016) Generation and protective efficacy of a cold-adapted attenuated avian H9N2 influenza vaccine. <a href="#">Sci Rep. 6: 30382.</a></li> <li>2. Andersen, S.H. <i>et al.</i> (2017) Quantification and phenotypic characterisation of peripheral IFN-<math>\gamma</math> producing leucocytes in chickens vaccinated against Newcastle disease. <a href="#">Vet Immunol Immunopathol. 193-194: 18-28.</a></li> <li>3. Wang, M. <i>et al.</i> (2018) Cross- immunity of a H9N2 live attenuated influenza vaccine against H5N2 highly pathogenic avian influenza virus in chickens. <a href="#">Vet Microbiol. 220: 57-66.</a></li> </ol>
<b>Further Reading</b>	<ol style="list-style-type: none"> <li>1. 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></li> <li>2. Weining, K.C. <i>et al.</i> (1996) Biological properties of recombinant chicken interferon-gamma. <a href="#">Eur J Immunol. 26 (10): 2440-7.</a></li> <li>3. 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></li> </ol>
<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.

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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10162 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP945Z">https://www.bio-rad-antibodies.com/SDS/AHP945Z</a> 10162
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<b>Regulatory</b>	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](#)  
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

### Recommended Useful Reagents

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

<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://bio-rad-antibodies.com/datasheets)  
'M386898:210601'

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