

Datasheet: AHP945Z

Description:	RABBIT ANTI CHICKEN INTERFERON GAMMA:Preservative Free
Specificity:	IFN GAMMA
Other names:	INTERFERON GAMMA
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	▪			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.

Target Species	Chicken
Product Form	Purified IgG - liquid
Antiserum Preparation	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 G.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present.
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Recombinant chicken interferon gamma
External Database Links	UniProt:

[P49708](#) [Related reagents](#)

Entrez Gene:

[396054](#) IFNG [Related reagents](#)

Specificity **Rabbit anti Chicken interferon gamma antibody** recognizes chicken interferon gamma (chIFN-gamma). There are at least three distinct chicken interferon proteins, designated as chIFN-alpha, chIFN-beta and chIFN-gamma.

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 ([Vonbulow et al. 1984](#)). 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 ([Weining et al. 1996](#)).

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 ([Weining et al. 1996](#)).

Western Blotting AHP945Z detects a band of approximately 18 kDa.

References

1. Wei, Y. *et al.* (2016) Generation and protective efficacy of a cold-adapted attenuated avian H9N2 influenza vaccine. [Sci Rep. 6: 30382.](#)
2. Andersen, S.H. *et al.* (2017) Quantification and phenotypic characterisation of peripheral IFN- γ producing leucocytes in chickens vaccinated against Newcastle disease. [Vet Immunol Immunopathol. 193-194: 18-28.](#)

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. Weining, K.C. *et al.* (1996) Biological properties of recombinant chicken interferon-gamma. [Eur J Immunol. 26 \(10\): 2440-7.](#)
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.](#)

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.

Shelf Life 18 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>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

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

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