

## Datasheet: AHP942Z

**BATCH NUMBER 153732**

<b>Description:</b>	RABBIT ANTI CHICKEN INTERLEUKIN-6:Preservative Free
<b>Specificity:</b>	IL-6
<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	▪			

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 Interleukin 6 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography on protein G.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein</b>	IgG concentration 0.5 mg/ml

## Concentrations

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**Immunogen** [Recombinant chicken IL-6](#) (PAP003)

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## External Database Links

**UniProt:**

[Q90YI0](#) [Related reagents](#)

**Entrez Gene:**

[395337](#) IL6 [Related reagents](#)

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**RRID** AB\_2127753

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## Specificity

**Rabbit anti Chicken interleukin-6 antibody** recognizes chicken Interleukin 6 (chIL-6).

Mammalian IL-6 is a multifunctional pro-inflammatory cytokine, which plays a major role in the regulation of immune responses, haematopoiesis and the induction of acute phase responses. The action of IL-6 occurs via the signal transducing receptor chain gp130 and the IL-6 receptor alpha chain is responsible for ligand binding.

IL-6 is produced by a wide variety of cells including B lymphocytes, T lymphocytes, monocytes/macrophages, fibroblasts and endothelial cells and has a widespread cellular effect, including B and T lymphocytes, hepatocytes and cells of the CNS.

Chicken hepatocyte-stimulating factor (HSF), secreted by lipopolysaccharide (LPS)-stimulated macrophages, induces fibronectin production in cultured chicken hepatocytes, and that HSF produced by LPS-treated fibroblasts, was neutralized by an antiserum to recombinant HuIL-6 (rHuIL-6). rHuIL-6 has also been shown as biologically active on chicken hepatocytes ([Samad \*et al.\* 1993](#)).

Rabbit anti Chicken interleukin-6 antibody ( AHP942Z) neutralizes chicken IL-6 in the [murine 7TD1 IL-6 bioassay](#).

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**Western Blotting** AHP942Z detects a band of approximately 22kDa.

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**References** 1. De Boever, S. *et al.* (2010) Flow cytometric differentiation of avian leukocytes and analysis of their intracellular cytokine expression. [Avian Pathol. 39: 41-6.](#)

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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. Schneider, K. *et al.* (2001) Chicken interleukin-6. cDNA structure and biological properties. [Eur J Biochem. 268 \(15\): 4200-6.](#)
3. Amrani, D.L. *et al.* (1986) Effect of hepatocyte-stimulating factor and glucocorticoids on plasma fibronectin levels. [Biochem J. 238 \(2\): 365-71.](#)
4. Samad, F. *et al.* (1993) Stimulation of chick hepatocyte fibronectin production by fibroblast-conditioned medium is due to interleukin 6. [Biochim Biophys Acta. 1181 \(3\): 207-13.](#)

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<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.
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10162 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP942Z">https://www.bio-rad-antibodies.com/SDS/AHP942Z</a> 10162
<b>Regulatory</b>	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 \(STAR209P\)](#)

<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)  
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Printed on 18 Jan 2024