

## Datasheet: AHP942Z

<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 Concentrations</b>	IgG concentration 0.5 mg/ml

<b>Immunogen</b>	<a href="#">Recombinant chicken IL-6 (PAP003)</a>
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q90YI0</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">395337</a>    IL6    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_2127753
<b>Specificity</b>	<p><b>Rabbit anti Chicken interleukin-6 antibody</b> recognizes chicken Interleukin 6 (chIL-6).</p> <p>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.</p> <p>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.</p> <p>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 (<a href="#">Samad <i>et al.</i> 1993</a>).</p> <p>Rabbit anti Chicken interleukin-6 antibody ( AHP942Z) neutralizes chicken IL-6 in the <a href="#">murine 7TD1 IL-6 bioassay</a>.</p>
<b>Western Blotting</b>	AHP942Z detects a band of approximately 22kDa.
<b>References</b>	1. De Boever, S. <i>et al.</i> (2010) Flow cytometric differentiation of avian leukocytes and analysis of their intracellular cytokine expression. <a href="#">Avian Pathol. 39: 41-6.</a>
<b>Further Reading</b>	<ol style="list-style-type: none"> <li>1. 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> <li>2. Schneider, K. <i>et al.</i> (2001) Chicken interleukin-6. cDNA structure and biological properties. <a href="#">Eur J Biochem. 268 (15): 4200-6.</a></li> <li>3. Amrani, D.L. <i>et al.</i> (1986) Effect of hepatocyte-stimulating factor and glucocorticoids on plasma fibronectin levels. <a href="#">Biochem J. 238 (2): 365-71.</a></li> <li>4. Samad, F. <i>et al.</i> (1993) Stimulation of chick hepatocyte fibronectin production by fibroblast-conditioned medium is due to interleukin 6. <a href="#">Biochim Biophys Acta. 1181 (3): 207-13.</a></li> </ol>
<b>Storage</b>	<p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p>

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/AHP942Z">https://www.bio-rad-antibodies.com/SDS/AHP942Z</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://www.bio-rad-antibodies.com/datasheets)  
'M364374:200529'

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