Datasheet: AHP942Z

**Product Details**

<table>
<thead>
<tr>
<th>Description:</th>
<th>RABBIT ANTI CHICKEN INTERLEUKIN-6:Preservative Free</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specificity:</td>
<td>IL-6</td>
</tr>
<tr>
<td>Format:</td>
<td>Preservative Free</td>
</tr>
<tr>
<td>Product Type:</td>
<td>Polyclonal Antibody</td>
</tr>
<tr>
<td>Isotype:</td>
<td>Polyclonal IgG</td>
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<tr>
<td>Quantity:</td>
<td>0.5 mg</td>
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</tbody>
</table>

**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).

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td>Flow Cytometry</td>
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<tr>
<td>Immunohistology - Frozen</td>
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<tr>
<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<td>Immunoprecipitation</td>
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<tr>
<td>Western Blotting</td>
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<tr>
<td>Functional Assays</td>
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</table>

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 Interleukin 6 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG 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 IL-6 (PAP003)

**External Database Links**

<table>
<thead>
<tr>
<th>External Database</th>
<th>UniProt:</th>
<th>Related reagents</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Q90YI0</td>
<td>Related reagents</td>
</tr>
<tr>
<td></td>
<td>Entrez Gene:</td>
<td>395337 IL6 Related reagents</td>
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</table>

**RRID**
AB_2127753

**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.

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

**References**

**Further Reading**

**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.

**Guarantee**
12 months from date of despatch

**Health And Safety Information**
Material Safety Datasheet documentation #10162 available at: https://www.bio-rad-antibodies.com/SDS/AHP942Z
10162

**Regulatory**
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)

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

'M364374:200529'

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