Datasheet: PAP003

Description: RECOMBINANT CHICKEN INTERLEUKIN-6

Name: IL-6

Format: Rec. Protein

Product Type: Recombinant Protein

Quantity: 50 µg

Product Details

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.

<table>
<thead>
<tr>
<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td>ELISA</td>
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<tr>
<td>Functional Assays</td>
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<td>In vitro Assay</td>
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Where this product 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 product for use in their own system using appropriate negative/positive controls.

Target Species: Chicken

Product Form: Purified His-tagged recombinant protein expressed in E. coli - liquid

Preparation: Recombinant protein prepared from E. coli.

Buffer Solution: Phosphate buffered saline

Preservative Stabilisers: None present

Approx. Protein Concentrations: 500 µg/ml

External Database Links

UniProt: Q90YI0 Related reagents

Entrez Gene: 395337 IL6 Related reagents

Product Information

Recombinant chicken interleukin-6 is a histidine tagged molecule produced in E. coli. Interleukin-6 (IL-6) is a multifunctional pro-inflammatory cytokine, produced by a wide variety of cells including B lymphocytes, T lymphocytes, monocytes/macrophages, fibroblasts and endothelial cells. It plays a major role in the regulation of immune responses, haematopoiesis and the
induction of acute phase responses.

Recombinant chicken interleukin-6 induces corticosterone secretion \textit{in vivo} and induces proliferation of the IL-6 dependant murine hybridoma cell line 7TD1 \textit{in vitro} (Marais \textit{et al.} 2011).

Recombinant chicken interleukin-6 (PAP003) is the immunogen used to produce Bio-Rad chicken IL-6 antibody (AHP942Z).

<table>
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<tr>
<th>Protein Molecular Weight</th>
<th>23.2kD</th>
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<tr>
<td>Purity</td>
<td>&gt;85% by Ni Chelate chromatography</td>
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</table>

**References**


**Further Reading**


**Storage**

Store at \(-20^\circ\text{C}\) only.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

**Shelf Life**

3 months from date of despatch.

**Acknowledgements**

His-tag is a registered trademark of EMD Biosciences.

**Health And Safety Information**


**Regulatory**

For research purposes only

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