

## Datasheet: AHP1032B

**BATCH NUMBER 160072**

<b>Description:</b>	RABBIT ANTI HUMAN INTERLEUKIN-2:Biotin
<b>Specificity:</b>	IL-2
<b>Format:</b>	Biotin
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 µg

### 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	▪			0.25 - 1.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml

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

Human

#### Product Form

Purified IgG conjugated to Biotin - lyophilized

#### Reconstitution

Reconstitute with 0.5 ml sterile PBS containing 0.1% Bovine Serum Albumin. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution. For long term storage the addition of 0.09% sodium azide is recommended.

#### Antiserum Preparation

Antisera to human IL-2 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

#### Buffer Solution

Phosphate buffered saline

<b>Preservative Stabilisers</b>	None present
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1 mg/ml after reconstitution.
<b>Immunogen</b>	<a href="#">Recombinant human IL-2</a>
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P60568</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">3558</a>    IL2    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_2125582
<b>Specificity</b>	<p><b>Rabbit anti Human Interleukin-2 antibody</b> recognizes human IL-2 (Interleukin-2), otherwise known as T-cell growth factor, a 133 amino acid glycoprotein and potent immunoregulatory cytokine produced by antigen or mitogen stimulated T cells.</p> <p>IL-2 is a multi-functional cytokine which signals through the IL-2 receptor complex (IL-2R), and is principally involved in the stimulation of the T cell proliferative response, promoting T cell clonal expansion and the expansion of T memory cells expressing low levels of high-affinity IL-2R.</p> <p>IL-2 also stimulates the growth/differentiation of B cells, monocytes, NK cells, macrophages and lymphokine activated killer cells.</p>
<b>ELISA</b>	This biotinylated human IL-2 antibody may be used in a direct ELISA or as the detection reagent in a sandwich ELISA with our <a href="#">purified human IL-2 antibody</a> (AHP1032) and <a href="#">recombinant human IL-2</a> (PHP042) as the standard.
<b>Further Reading</b>	<ol style="list-style-type: none"> <li>1. Fujita, T. <i>et al.</i> (1983) Structure of the human interleukin 2 gene. <a href="#">Proc Natl Acad Sci U S A. 80 (24): 7437-41.</a></li> <li>2. Nelson, B.H. (2004) IL-2, regulatory T cells, and tolerance. <a href="#">J Immunol. 172 (7): 3983-8.</a></li> </ol>
<b>Storage</b>	<p>Prior to reconstitution store at -20°C.  After reconstitution store at -20°C.</p> <p>This product should be stored undiluted. 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.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety</b>	Material Safety Datasheet documentation #10162 available at:

**Information** <https://www.bio-rad-antibodies.com/SDS/AHP1032B>  
10162

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**Regulatory** For research purposes only

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## Related Products

### Recommended Positive Controls

[RECOMBINANT HUMAN INTERLEUKIN-2 \(PHP042A\)](#)

### Recommended Useful Reagents

[RABBIT ANTI HUMAN INTERLEUKIN-2 \(AHP1032\)](#)

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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)  
'M391222:211008'

**Printed on 18 Jan 2024**

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