

## Datasheet: AHP1032

<b>Description:</b>	RABBIT ANTI HUMAN INTERLEUKIN-2
<b>Specificity:</b>	IL-2
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 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 (1)	▪			
ELISA	▪			0.5 - 2.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml
Functional Assays	▪			0.12 - 0.16ug/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.

**(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.**

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - lyophilized
<b>Reconstitution</b>	<p>Reconstitute with 0.1ml distilled water</p> <p>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.</p> <p>N.B. For functional studies do not add sodium azide</p>

**Antiserum Preparation** Antisera to human IL-2 were raised by repeated immunisations of rabbits with highly

purified antigen. Purified IgG prepared by affinity chromatography.

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml after reconstitution.
<b>Immunogen</b>	<a href="#">Recombinant human IL-2</a>
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P60568</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">3558</a> IL2 <a href="#">Related reagents</a>
<b>RRID</b>	AB_617519
<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 purified human IL-2 antibody may be used in an indirect ELISA or as the capture reagent in a sandwich ELISA with our <a href="#">biotinylated human IL-2 antibody</a> (AHP1032B) as the detection reagent 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 Information</b>	Material Safety Datasheet documentation #10294 available at: 10294: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10294.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10294.pdf</a>
<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 Positive Controls

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

### Recommended Useful Reagents

[RABBIT ANTI HUMAN INTERLEUKIN-2:Biotin \(AHP1032B\)](#)  
[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)  
[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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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)  
 'M402200:220718'

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