

## 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.

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0mg/ml after reconstitution.
Immunogen	<a href="#">Recombinant human IL-2</a>
External Database Links	<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>
RRID	AB_617519
Specificity	<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>
ELISA	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
Further Reading	<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>
Storage	<p>This product is shipped at ambient temperature. 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.</p>

Should this product contain a precipitate we recommend microcentrifugation before use.

<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10294 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP103210294">https://www.bio-rad-antibodies.com/SDS/AHP103210294</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

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://www.bio-rad-antibodies.com/datasheets)

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