

Datasheet: AHP1032

**BATCH NUMBER 171802**

<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.**

### Target Species

Human

### Product Form

Purified IgG - lyophilized

### Reconstitution

Reconstitute with 0.1ml distilled water

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.

N.B. For functional studies do not add sodium azide

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

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**Buffer Solution** Phosphate buffered saline

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**Preservative Stabilisers** None present

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**Carrier Free** Yes

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**Approx. Protein Concentrations** IgG concentration 1.0mg/ml after reconstitution.

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**Immunogen** [Recombinant human IL-2](#)

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**External Database Links**

**UniProt:**

[P60568](#)    [Related reagents](#)

**Entrez Gene:**

[3558](#)    IL2    [Related reagents](#)

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**RRID** AB\_617519

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**Specificity** **Rabbit anti Human Interleukin-2 antibody** 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.

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.

IL-2 also stimulates the growth/differentiation of B cells, monocytes, NK cells, macrophages and lymphokine activated killer cells.

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**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 [biotinylated human IL-2 antibody](#) (AHP1032B) as the detection reagent and [recombinant human IL-2](#) (PHP042) as the standard

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**Further Reading**

1. Fujita, T. *et al.* (1983) Structure of the human interleukin 2 gene. [Proc Natl Acad Sci U S A. 80 \(24\): 7437-41.](#)
2. Nelson, B.H. (2004) IL-2, regulatory T cells, and tolerance. [J Immunol. 172 \(7\): 3983-8.](#)

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**Storage** This product is shipped at ambient temperature.  
Prior to reconstitution store at -20°C.  
After reconstitution store at -20°C.

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.

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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10294 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP1032">https://www.bio-rad-antibodies.com/SDS/AHP1032</a>
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

### 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 \(STAR209P\)](#)

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

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

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Printed on 12 Dec 2025