

Datasheet: AHP1032B

Description:	RABBIT ANTI HUMAN INTERLEUKIN-2:Biotin
Specificity:	IL-2
Format:	Biotin
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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
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Product Form	Purified IgG conjugated to Biotin - lyophilized
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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.
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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	None present
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Stabilisers

Carrier Free Yes

Approx. Protein Concentrations IgG concentration 0.1 mg/ml after reconstitution.

Immunogen [Recombinant human IL-2](#)

External Database Links

UniProt:
[P60568](#) [Related reagents](#)

Entrez Gene:
[3558](#) IL2 [Related reagents](#)

RRID AB_2125582

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.

ELISA

This biotinylated human IL-2 antibody may be used in a direct ELISA or as the detection reagent in a sandwich ELISA with our [purified human IL-2 antibody](#) (AHP1032) and [recombinant human IL-2](#) (PHP042) as the standard.

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

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.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10294 available at:
10294: <https://www.bio-rad-antibodies.com/uploads/MSDS/10294.pdf>

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

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