

Datasheet: AHP1032

BATCH NUMBER 157260

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

	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 - lyophilised
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.

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. <i>et al.</i> (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.
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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	6 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10162 available at: https://www.bio-rad-antibodies.com/SDS/AHP1032 10162
Regulatory	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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