

Datasheet: AHP795

Description:	RABBIT ANTI HUMAN INTERLEUKIN-10
Specificity:	IL-10
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			▪	
ELISA	▪			0.5ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml
Functional Assays	▪			4.0 - 6.0ug/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
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-10 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	Recombinant human IL-10
External Database Links	<p>UniProt: P22301 Related reagents</p> <p>Entrez Gene: 3586 IL10 Related reagents</p>
RRID	AB_770122
Specificity	<p>Rabbit anti Human Interleukin-10 antibody recognizes human IL-10 (Interleukin-10), an 18.5kDa immunosuppressive cytokine originally known as cytokine synthesis inhibiting factor (CSIF), which specifically regulates immune-mediated inflammation and shares high sequence homology with murine IL-10 and the viral protein BCRF1.</p> <p>IL-10, produced by macrophages, mast cells, T cells, activated B cells and keratinocytes, inhibits the secretion of a variety of pro-inflammatory cytokines including TNFalpha, IL-1, IL-2, IL-3 and IL-8 and is chemotactic for CD8+ T cells. The suppressive ability of IL-10 has become a focus area for the treatment of Crohn's disease, but with conflicting results.</p>
ELISA	This purified human IL-10 antibody may be used in an indirect ELISA with recombinant human IL-10 (PHP047A) as the standard.
Western Blotting	This antibody may be used in Western Blotting under either reducing or non-reducing conditions with recombinant human IL-10 (PHP047A) as the positive control.
References	<ol style="list-style-type: none"> Gesser, B. <i>et al.</i> (1997) Identification of functional domains on human interleukin 10. Proc Natl Acad Sci U S A. 94 (26): 14620-5. NaqviS, E.H. <i>et al.</i> (2017) A Prospective Study of Altered Inflammatory Response and Its Clinical Outcome following Laparoscopic and Open Cholecystectomy. Iran J Med Sci. 42 (4): 347-53.
Further Reading	1. Tilg, H. <i>et al.</i> (2002) Treatment of Crohn's disease with recombinant human interleukin 10 induces the proinflammatory cytokine interferon gamma. Gut. 50 (2): 191-5.
Storage	<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>
Guarantee	6 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
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

Recommended Positive Controls

[RECOMBINANT HUMAN INTERLEUKIN-10 \(PHP047A\)](#)

Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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