

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
Approx. Protein	IgG concentration 1.0mg/ml after reconstitution

Concentrations

Immunogen	Recombinant human IL-10
-----------	---

External Database Links

UniProt:

[P22301](#)

[Related reagents](#)

Entrez Gene:

[3586](#)

IL10

[Related reagents](#)

Specificity

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.

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.

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

1. Gesser, B. *et al.* (1997) Identification of functional domains on human interleukin 10. [Proc Natl Acad Sci U S A. 94: 14620-14625.](#)
2. NaqviS, E.H. *et al.* (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. *et al.* (2002) Treatment of Crohn's disease with recombinant human interleukin 10 induces the proinflammatory cytokine interferon gamma. [Gut. 50: 191-195.](#)

Storage

Prior to reconstitution store at -20°C.

After reconstitution store at -20°C.

Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

3 months from date of reconstitution.

Please see label for expiry date.

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
Sheep Anti Rabbit IgG (STAR35...)	RPE
Goat Anti Rabbit IgG (H/L) (STAR124...)	HRP
Goat Anti Rabbit IgG (Fc) (STAR121...)	Biotin , FITC , HRP
Sheep Anti Rabbit IgG (2AB02...)	Biotin
Sheep Anti Rabbit IgG (STAR36...)	DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800

Recommended Positive Controls

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

Recommended Useful Reagents

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

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
----------------------------------	---	------------------	---	---------------	---

'M317527:180702'

Printed on 11 Jul 2018