

Datasheet: PHP047A

Description:	RECOMBINANT HUMAN INTERLEUKIN-10
Name:	IL-10
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	10 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
ELISA	▪			0.2 - 0.4ng/well
Western Blotting	▪			1.5 - 3.0ng/lane
Functional Assays	▪			0.2 - 20ng/ml

Where this protein 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 positive/negative controls.

Target Species	Human
Product Form	Purified recombinant IL-10 - lyophilized
Reconstitution	<p>Reconstitute with 0.1ml of 5mM sodium phosphate pH 7.2. 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.</p> <p>After the initial reconstitution step, the product should be diluted to a working concentration using an aqueous buffer containing 0.1% BSA (or any albumin), or diluted in culture media containing serum such as FCS.</p>
Preparation	Recombinant protein expressed in <i>Escherichia coli</i>
Source	E.coli
Buffer Solution	Sodium Phosphate
Preservative	None present

Stabilisers

Carrier Free Yes

Endotoxin Level < 0.1 ng/ug

Approx. Protein Concentrations Total protein concentration 0.1mg/ml after reconstitution.

External Database Links**UniProt:**

[P22301](#) [Related reagents](#)

Entrez Gene:

[3586](#) IL10 [Related reagents](#)

Product Information **Recombinant Human interleukin-10** is a 161 amino acid recombinant IL-10 cytokine, with a range of reported properties including inhibition of macrophage mediated cytokine synthesis, suppression of the delayed type hypersensitivity response, and stimulation of the Th2 cells response.

Recombinant human IL-10 has an ED₅₀ of <2.0ng/ml as determined by co-stimulation of MC/9 cells with human IL-4.

Protein Molecular Weight 18.6 kD

Activity 5 x 10⁵ units/mg

Purity >98% by SDS PAGE and HPLC analysis

Western Blotting PHP047A may be used under reducing or non-reducing western blotting conditions with [AHP795](#).

Storage Prior to reconstitution store at -20°C. Following reconstitution store at -20°C.

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

Guarantee Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date.

Health And Safety Information Material Safety Datasheet documentation #10527 available at: <https://www.bio-rad-antibodies.com/SDS/PHP047A> 10527

Regulatory For research purposes only

Related Products

Recommended Useful Reagents

[RABBIT ANTI HUMAN INTERLEUKIN-10 \(AHP795\)](#)

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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
'M415719:230113'

Printed on 25 Mar 2023

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