

Datasheet: PRP29

Description:	RECOMBINANT RAT 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	▪			0.1 - 10.0ng/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 protein for use in their own system using appropriate positive/negative controls.

Target Species	Rat
Product Form	Purified recombinant protein - lyophilised
Reconstitution	Reconstitute with 10ul 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 extended storage the addition of 0.1% BSA is recommended,
Preparation	Recombinant protein prepared from <i>E. Coli</i>
Buffer Solution	Sodium Phosphate
Preservative Stabilisers	None present
Endotoxin Level	<0.1ng/ug
Approx. Protein Concentrations	1.0 mg/ml
External Database Links	UniProt: P29456 Related reagents

Entrez Gene:[25325](#) IL10 [Related reagents](#)

Synonyms	IL-10
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Product Information	Rat IL-10 is a homodimeric protein, each 18.7 kDa subunit is 160 amino acid residues in length. IL-10 is a potent inhibitor of several cytokines including IFN gamma, IL-2 and TNF. Interleukin-10 (IL-10) is produced primarily by activated T lymphocytes.
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Protein Molecular Weight	18.7kD (160 amino acid sequence)
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Activity	Determined by the dose-dependent inhibition of antigen-specific T-cell proliferation is \leq 10ng/ml
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Purity	>98% by SDS PAGE and HPLC analysis
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ELISA	PRP29 may be used in ELISA applications with AAR29 .
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Western Blotting	PRP29 may be used under reducing or non-reducing western blotting conditions with AAR29 .
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References	1. Franz, M. <i>et al.</i> (2015) Targeted delivery of interleukin-10 to chronic cardiac allograft rejection using a human antibody specific to the extra domain A of fibronectin. Int J Cardiol. 195: 311-22.
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Storage	Prior to reconstitution store at +4°C. Following 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 protein. Should this product contain a precipitate we recommend microcentrifugation before use.
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Shelf Life	3 months from date of reconstitution.
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Health And Safety Information	Material Safety Datasheet documentation #10527 available at: 10527: https://www.bio-rad-antibodies.com/uploads/MSDS/10527.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Useful Reagents

[RABBIT ANTI RAT INTERLEUKIN-10 \(AAR29\)](#)

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