

Datasheet: PRP23

Description:	RECOMBINANT RAT INTERLEUKIN-1 BETA
Name:	IL-1 BETA
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 - 10ng/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 0.1 ml 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.
Preparation	Recombinant protein expressed in <i>Escherichia coli</i> .
Buffer Solution	10mM Sodium Acetate pH6.5
Preservative Stabilisers	None present
Endotoxin Level	<0.1 ng/ug
Approx. Protein Concentrations	Total protein concentration 0.1 mg/ml after reconstitution
External Database Links	UniProt: Q63264 Related reagents Entrez Gene:

Product Information	Recombinant rat interleukin-1 beta is an <i>E. coli</i> -derived recombinant protein corresponding to full-length mature rat interleukin 1 beta (IL-1b), an immunomodulatory cytokine that mediates a wide range of immune responses.
Protein Molecular Weight	17.3kD (153 Amino acid sequence)
Activity	PRP23 has a specific activity of $> 1 \times 10^7$ units/mg as determined by dose-dependent stimulation of proliferation of murine D10S cells.
Purity	>98% by SDS PAGE and HPLC analysis
ELISA	This product may be used as the standard in ELISA applications with either AAR15G or AAR15B .
Western Blotting	This product may be used as the positive control in western blotting applications with either AAR15G or AAR15B .
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.
Shelf Life	3 months from date of reconstitution.
Health And Safety Information	Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10317 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10317.pdf
Regulatory	For research purposes only

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