

Datasheet: PRP21

Description:	RECOMBINANT RAT INTERLEUKIN-6
Name:	IL-6
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	▪			0.01 - 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 product for use in their own system using appropriate positive/negative controls.

Target Species	Rat
Product Form	Purified recombinant protein expressed in <i>E. coli</i> - lyophilised.
Reconstitution	Reconstitute with 0.1 ml distilled water. For extended storage the addition of 0.1% BSA is recommended. 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.
Buffer Solution	TRIS buffered saline 0.1% SDS
Preservative Stabilisers	None present
Endotoxin Level	<0.1ng/ug
Approx. Protein Concentrations	0.1 mg/ml after reconstitution
External Database Links	UniProt: P20607 Related reagents Entrez Gene:

Synonyms	IL-6
Product Information	Recombinant rat IL-6 is a 21.7 kDa peptide containing 188 residues corresponding to full-length mature rat interleukin-6. IL-6 is a pleiotropic cytokine involved in the regulation of immune and inflammatory responses.
Protein Molecular Weight	21.7kD (188 Amino acids)
Activity	ED ₅₀ of < 0.01ng/ml when assayed by proliferation of IL-6 dependent murine 7TD1 cells. This corresponds to a specific activity of 1 x 10 ⁸ units/mg.
Purity	>98% by SDS PAGE and HPLC analysis.
ELISA	Recombinant rat IL-6 may be used as a standard for ELISA applications with either anti Rat IL-6: purified (AAR35) or anti Rat IL-6: biotin conjugate (AAR17B).
Western Blotting	Recombinant Rat IL-6 may be used as the positive control for western blotting applications with either anti Rat IL-6: purified (AAR35) or anti Rat IL-6: biotin conjugate (AAR17B).
Storage	Prior to reconstitution store at +4°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 protein.
Shelf Life	3 months from date of reconstitution.
Health And Safety Information	Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10527 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10527.pdf
Regulatory	For research purposes only

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