

Recombinant Rat Interleukin-10








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

Rev. 1.00

Catalog Number:	PRC0104	PRC0105
Quantity:	10 µg	25 µg
Lot Number:	See product label.	
Molecular Weight:	18.7 kDa, 160 amino acid residues.	
Purity:	>98% as determined by SDS-PAGE and HPLC analyses.	
Biological Activity:	ED ₅₀ ≤10 ng/mL (≥1 × 10 ⁵ units/mg). The biological activity is determined in an assay measuring dose-dependent inhibition of antigen-specific T cell proliferation. For most in vitro applications, IL-10 is effective at a concentration range of 0.2–20 ng/mL. The optimal concentration should be determined for each specific application.	
Formulation:	Lyophilized from 5 mM Tris, pH 7.2. Sterile filtered prior to lyophilization.	
Endotoxin:	< 0.1 ng/µg	
Production:	Recombinant rat IL-10 is produced in <i>E. coli</i> and purified via affinity chromatography.	
Reconstitution Recommendation:	We recommend that the vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute lyophilized rat IL-10 in 5 mM Tris, pH 7.2, to a concentration of 0.1–1.0 mg/mL. Further dilution should be made in medium or buffered solution containing carrier protein, such as PBS with 0.1% BSA.	
Storage:	This lyophilized preparation is stable at 2°C to 8°C, but should be kept at –20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2°C to 8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at –20°C. Avoid repeated freeze/thaw cycles.	
Expiration Date:	Expires one year from date of receipt when stored as instructed.	
References:	<p>Hirano, T. (1994) In: The Cytokine Handbook, 2nd Edition, (A. Thomson, editor) Academic Press Limited, San Diego, Ca, pp. 223–237.</p> <p>Terrone, D.A., B.K. Rinehart, J.P. Granger, P.S. Barrilleaux, J.N. Martin, and W.A. Bennett (2001) Interleukin-10 administration and bacterial endotoxin-induced preterm birth in a rat model. <i>Obstetrics and Gynecology</i> 98(3):476–480.</p>	

Explanation of Symbols

The symbols present on the product label are explained below:

Symbol	Description
	Catalog Number
	Research Use Only
	Use by
	Manufacturer
	Without, does not contain
	Protect from light
	Directs the user to consult instructions for use (IFU), accompanying the product.

Symbol	Description
	Batch code
	In vitro diagnostic medical device
	Temperature limitation
	European Community authorized representative
	With, contains
	Consult accompanying documents

Limited Use Label License: Research Use Only

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For Research Use Only. Caution: Not for human or animal therapeutic or diagnostic use.

Manufacturing site: 7335 Executive Way | Frederick, MD 21704 | Toll Free in USA 800.955.6288

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