

## Datasheet: PMP21

**BATCH NUMBER 164855**

<b>Description:</b>	RECOMBINANT MOUSE INTERLEUKIN-10
<b>Name:</b>	IL-10
<b>Format:</b>	Rec. Protein
<b>Product Type:</b>	Recombinant Protein
<b>Quantity:</b>	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](http://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 product 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 negative/positive controls.

<b>Target Species</b>	Mouse
<b>Product Form</b>	Purified recombinant protein expressed in <i>E. coli</i> - lyophilized
<b>Reconstitution</b>	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.
<b>Source</b>	E.coli
<b>Buffer Solution</b>	5mM Sodium Phosphate
<b>Preservative Stabilisers</b>	None present
<b>Carrier Free</b>	Yes
<b>Endotoxin Level</b>	< 0.1 ng/ug

<b>Approx. Protein Concentrations</b>	0.1 mg/ml after reconstitution
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P18893</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">16153</a>    IL10    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	IL-10
<b>Product Information</b>	<p>IL-10 has a range of biological properties, including inhibition of macrophage mediated cytokine synthesis, suppression of the delayed type hypersensitivity response, and stimulation of the TH2 cell response.</p> <p>ED50 is &lt;2.0ng/ml, as determined by the dose dependent co-stimulation of MC/9 cells (with murine IL-4).</p>
<b>Protein Molecular Weight</b>	18.7 kDa (161 amino acid sequence)
<b>Activity</b>	5 x 10 <sup>5</sup> units/mg
<b>Purity</b>	>98% by SDS PAGE and HPLC analysis
<b>ELISA</b>	PMP21 may be used as a standard for ELISA applications with <a href="#">AAM32</a>
<b>Western Blotting</b>	PMP21 may be used as a positive control for Western blotting applications with <a href="#">AAM32</a>
<b>References</b>	1. Gelderblom, H. <i>et al.</i> (2007) Role of interleukin 10 during persistent infection with the relapsing fever Spirochete Borrelia turicatae. <a href="#">Am J Pathol. 170: 251-62.</a>
<b>Storage</b>	<p>Prior to reconstitution store at -20°C. Following reconstitution store at -20°C.</p> <p>This product should be stored undiluted</p> <p>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.</p>
<b>Guarantee</b>	Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10527 available at: <a href="https://www.bio-rad-antibodies.com/SDS/PMP21">https://www.bio-rad-antibodies.com/SDS/PMP21</a> 10527
<b>Regulatory</b>	For research purposes only

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>	To find a
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batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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