

## Datasheet: PMP21

**BATCH NUMBER 156692**

<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>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</b>	0.1 mg/ml after reconstitution

## Concentrations

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### External Database Links

**UniProt:**

[P18893](#)   [Related reagents](#)

**Entrez Gene:**

[16153](#)   IL10   [Related reagents](#)

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**Synonyms**

IL-10

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**Product Information**

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.

ED50 is <2.0ng/ml, as determined by the dose dependent co-stimulation of MC/9 cells (with murine IL-4).

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**Protein Molecular Weight**

18.7 kDa (161 amino acid sequence)

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**Activity**

5 x 10<sup>5</sup> units/mg

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**Purity**

>98% by SDS PAGE and HPLC analysis

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**ELISA**

PMP21 may be used as a standard for ELISA applications with [AAM32](#)

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**Western Blotting**

PMP21 may be used as a positive control for Western blotting applications with [AAM32](#)

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**References**

1. Gelderblom, H. *et al.* (2007) Role of interleukin 10 during persistent infection with the relapsing fever Spirochete *Borrelia turicatae*. [Am J Pathol. 170: 251-62.](#)

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**Storage**

Prior to reconstitution store at -20°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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**Guarantee**

Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date.

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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 MOUSE INTERLEUKIN-10 (AAM32)

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To find a 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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