

## Datasheet: PMP38

<b>Description:</b>	RECOMBINANT MOUSE INTERLEUKIN-2
<b>Name:</b>	IL-2
<b>Format:</b>	Rec. Protein
<b>Product Type:</b>	Recombinant Protein
<b>Quantity:</b>	20 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 - 0.4 ng/well
Western Blotting	▪			1.5 - 3.0 ng/lane
Functional Assays	▪			0.1 - 1.0 ng/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 - lyophilized
<b>Reconstitution</b>	Reconstitute with 0.2ml 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>Preparation</b>	Recombinant protein expressed in <i>E.coli</i>
<b>Source</b>	E.coli
<b>Buffer Solution</b>	10mM Sodium Citrate pH4.0
<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="#">P04351</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">16183</a>    IL2    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	IL-2
<b>Product Information</b>	Interleukin-2 (IL-2) is a potent lymphoid cell growth factor which primarily acts on T-cells.
<b>Protein Molecular Weight</b>	17.2 kDa (149 amino acid sequence)
<b>Activity</b>	5 x 10 <sup>6</sup> Units/mg
<b>Purity</b>	>98% by SDS PAGE and HPLC
<b>ELISA</b>	This product may be used as a standard in ELISA applications either <a href="#">AAM35</a> or <a href="#">AAM35B</a> .
<b>Western Blotting</b>	This product may be used as the positive control in Western Blotting applications either <a href="#">AAM35</a> or <a href="#">AAM35B</a> .
<b>References</b>	<ol style="list-style-type: none"> <li>1. Bénéteau, M. <i>et al.</i> (2012) Combination of glycolysis inhibition with chemotherapy results in an antitumor immune response. <a href="#">Proc Natl Acad Sci U S A. 109: 20071-6.</a></li> <li>2. Weigelin, B. <i>et al.</i> (2021) Cytotoxic T cells are able to efficiently eliminate cancer cells by additive cytotoxicity. <a href="#">Nat Commun. 12 (1): 5217.</a></li> </ol>
<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/PMP3810527">https://www.bio-rad-antibodies.com/SDS/PMP3810527</a>
<b>Regulatory</b>	For research purposes only

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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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