

## Datasheet: PMP16A

**BATCH NUMBER 165307**

<b>Description:</b>	RECOMBINANT MOUSE INTERLEUKIN-7
<b>Name:</b>	IL-7
<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			▪	
Functional Assays	▪			0.1ng/ml - 1ng/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 cytokine from <i>E. coli</i> - lyophilized
<b>Reconstitution</b>	Reconstitute with 0.1 ml distilled water. For extended storage it is recommended to further dilute in a buffer containing 0.1% BSA. 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 vortexed after reconstitution and microcentrifuged before use.
<b>Preparation</b>	Recombinant IL-7 is purified by sequential chromatography
<b>Source</b>	<i>E.coli</i>
<b>Preservative Stabilisers</b>	None present
<b>Carrier Free</b>	Yes
<b>Endotoxin Level</b>	< 0.1 ng/ug

**Approx. Protein Concentrations** 0.1 mg/ml

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**External Database Links**

**UniProt:**  
[P10168](#) [Related reagents](#)

**Entrez Gene:**  
[16196](#) II7 [Related reagents](#)

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**Synonyms** IL-7

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**Product Information** Recombinant mouse IL-7 has an ED50 of 0.2ng/ml, determined in a dose response proliferation assay of murine 2E8 cells.

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**Protein Molecular Weight** 15kDa (129 Amino acid sequence)

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**Purity** >98% by SDS PAGE and HPLC analysis

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**Storage** Prior to reconstitution store at +4°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** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10527 available at:  
<https://www.bio-rad-antibodies.com/SDS/PMP16A>  
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**Regulatory** For research purposes only

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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://www.bio-rad-antibodies.com/datasheets)

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