

## Datasheet: 6420-5150

<b>Description:</b>	SYNTHETIC HUMAN MYELIN PROTEOLIPID PROTEIN
<b>Name:</b>	MYELIN PROTEOLIPID PROTEIN (aa119-130)
<b>Other names:</b>	PLP
<b>Format:</b>	Purified
<b>Product Type:</b>	Purified Protein
<b>Quantity:</b>	50 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	▪			

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>	Human
<b>Product Form</b>	Synthetic peptide - lyophilised
<b>Reconstitution</b>	Reconstitute in sterile distilled water to give a concentrated stock solution => 2mg/ml.
<b>Preparation</b>	Solid phase synthesis
<b>Buffer Solution</b>	Acetate salt
<b>Preservative Stabilisers</b>	None present
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P60201</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">5354</a>    PLP1    <a href="#">Related reagents</a></p>

**Synonyms** PLP

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**Product Information** **Purified Myelin Proteolipid Protein** is a peptide with the sequence CGGQKGRGSRGQH, representing amino acids 119-130 of human myelin proteolipid protein. An additional cysteine has been conjugated to the N-terminus.

Myelin proteolipid protein, the major myelin protein from the central nervous system, plays an important role in the formation and maintenance of the multilamellar structure of myelin.

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**Purity** HPLC: >80%

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**References**

1. Bahbouhi, B. *et al.* (2010) T cell recognition of self-antigen presenting cells by protein transfer assay reveals a high frequency of anti-myelin T cells in multiple sclerosis. [Brain. 133 \(Pt 6\): 1622-36.](#)
2. Becker, K.J. *et al.* (2011) Autoimmune responses to the brain after stroke are associated with worse outcome. [Stroke. 42: 2763-9.](#)

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**Storage** Prior to reconstitution store at +4°C.  
After reconstitution store at -20°C.  
Storage in frost-free freezers is not recommended. This product should be stored undiluted.

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**Guarantee** 12 months from date of reconstitution.

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**Health And Safety Information** Material Safety Datasheet documentation #10165 available at: 10165: <https://www.bio-rad-antibodies.com/uploads/MSDS/10165.pdf>

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**Regulatory** For research purposes only

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**Printed on 10 Feb 2021**

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