

Datasheet: 6420-5150

Description:	SYNTHETIC HUMAN MYELIN PROTEOLIPID PROTEIN
Name:	MYELIN PROTEOLIPID PROTEIN (aa119-130)
Other names:	PLP
Format:	Purified
Product Type:	Purified Protein
Quantity:	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.

	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.

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

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.

Purity HPLC: >80%

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.](#)

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.

Shelf Life 12 months from date of reconstitution.

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

Regulatory For research purposes only

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