

## Myelin Basic Protein (1-11)

<b>Cat. No.:</b>	HY-P3073
<b>CAS No.:</b>	106128-98-7
<b>Molecular Formula:</b>	C <sub>52</sub> H <sub>88</sub> N <sub>22</sub> O <sub>17</sub>
<b>Molecular Weight:</b>	1293.39
<b>Sequence Shortening:</b>	Ac-ASQKRPSQRHG
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

<b>Description</b>	Myelin Basic Protein (1-11) is an encephalitogenic epitope of myelin basic protein (MBP). Myelin Basic Protein (1-11) can be used for induction of experimental autoimmune encephalomyelitis (EAE) <sup>[1][2]</sup> .
<b>In Vitro</b>	Myelin Basic Protein (1-11) (0-10 µg/mL) stimulates IL-2 production in MBP-TCR CD4 T cells <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
<b>In Vivo</b>	Myelin Basic Protein (1-11) (100 µg/mL)-pulsed DC cells (i.p.) leads to experimental autoimmune encephalomyelitis (EAE) when transferred into irradiated B10.PL mice <sup>[1]</sup> . Myelin Basic Protein (1-11) (100 µg, i.p.) induced tolerance to MBP in adult mice and prevents MBP-induced EAE <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Dittel BN, et al. Presentation of the self antigen myelin basic protein by dendritic cells leads to experimental autoimmune encephalomyelitis. J Immunol. 1999 Jul 1;163(1):32-9.

[2]. Gaur A, et al. Amelioration of autoimmune encephalomyelitis by myelin basic protein synthetic peptide-induced anergy. Science. 1992 Nov 27;258(5087):1491-4.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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