

MBP (83-99)

Cat. No.:	HY-P3723
CAS No.:	178823-45-5
Molecular Formula:	C ₉₃ H ₁₄₃ N ₂₅ O ₂₄
Molecular Weight:	1995.28
Sequence Shortening:	ENPVWHFFKNIVTPRTP
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	MBP (83-99) is a MBP-specific T cell lines recognizing the immunodominant epitope. MBP (83-99) induces proliferation and IFN- γ secreting of T cells ^{[1][2]} .
In Vitro	MBP (83-99) is the immunodominant region of MBP restricted by HLA-DR2 ^[1] . MBP (83-99) induces proliferation of a human T cell line ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	MBP(83-99) (50 μ g; subcutaneous injection; once) generates weak IFN- γ secreting T cells in immunize SJL/J mice ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Hemmer B, et al. Human T-cell response to myelin basic protein peptide (83-99): extensive heterogeneity in antigen recognition, function, and phenotype. *Neurology*.
- [2]. Katsara M, et al. A double mutation of MBP(83-99) peptide induces IL-4 responses and antagonizes IFN-gamma responses. *J Neuroimmunol*. 2008 Aug 30;200(1-2):77-89.

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

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