

Supporting Information

Design and synthesis of a cyclic double mutant peptide (cyclo(87-99)[A⁹¹, A⁹⁶]MBP₈₇₋₉₉) induces altered responses in mice after conjugation to mannan: implications in the immunotherapy of multiple sclerosis

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Compositional analysis (Table 1) data were collected from 6M HCl hydrosylates (150°C, 1 h) using a Beckmann 6,300 high performance analyzer. The two TLC solvent systems used were *n*-butanol/acetic acid/water (4/1/1) (BAW) - TLC R_f = 0.22 and chloroform/methanol/ammonia (CMA) - TLC R_f = 0.62. The purity of MBP₈₇₋₉₉[A⁹¹, A⁹⁶] peptide as analyzed by analytical HPLC using Lichrosorb RP-18 reversed phase semi-preparative column with 7 µm packing material. The peptides were 99 % pure as analyzed by mass spectrometry (ESI-MS)

Table 1. Amino acid analysis of cyclo(87-99)[A⁹¹,A⁹⁶]MBP₈₇₋₉₉

TLC (CMA)	TLC (BAW)	Val	His	Phe	Ala	Asn	Ile	Thr	Arg	Pro
0.62	0.22	1.93	0.96	1.95	1.94	0.96	0.92	1.97	1.00	0.95

Compositional analysis data were collected from 6M HCl. The two TLC

Solvents used were BAW and CMA