

Supplementary information

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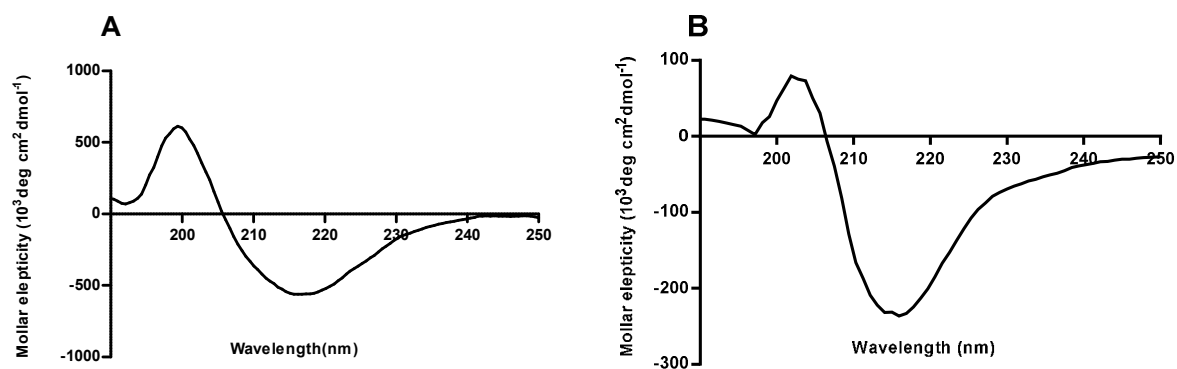
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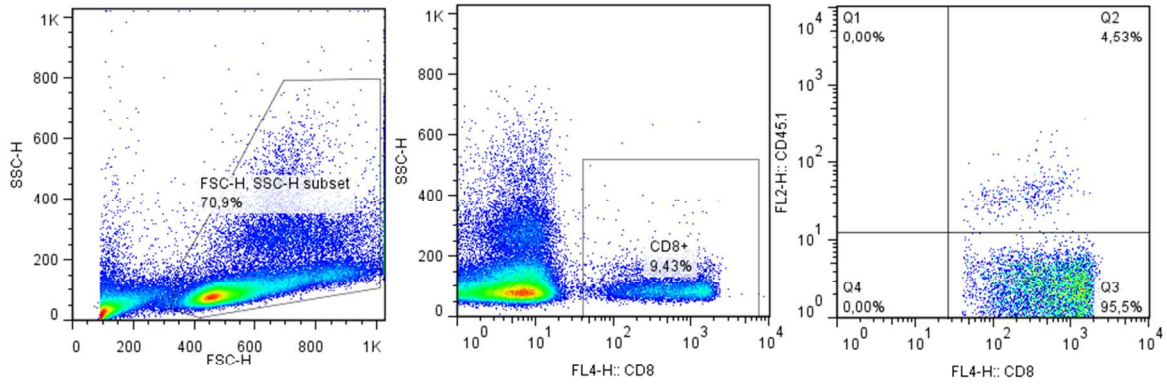
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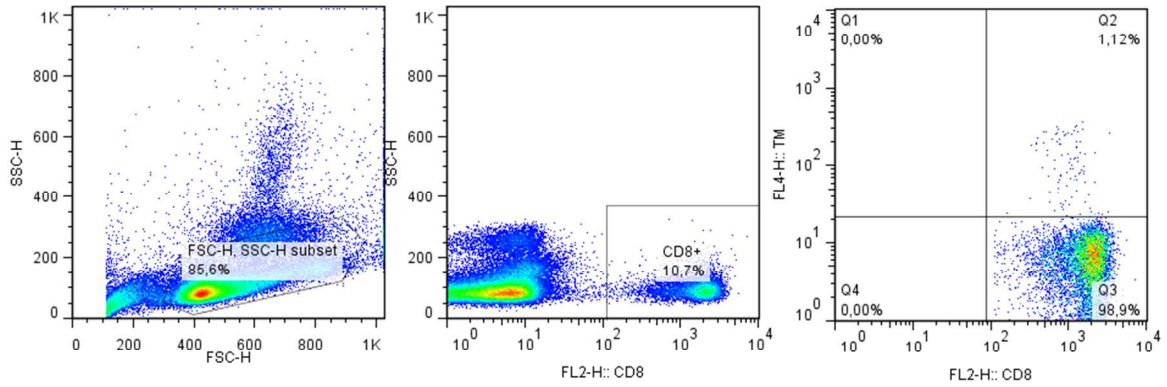


**Figure S1.** Circular dichroism of the self-assembling peptide epitopes in phosphate buffer. Secondary structure of (A) 200 mM OVA-SA, (B) 300mM HPV-SA showing beta sheet structure.

A)



B)



**Figure S2.** Depicted figures are the gating strategy and an example plot for A) OT-I cells proliferation in vivo (figure 3 in the main text) and B) Endogenous response after vaccination in vivo (figure 4 in the main text). Both show flow cytometry analysis of PBMC after erythrocyte lysis, gated on FSC-SSC, CD8<sup>+</sup> cells and CD45.1 (=OT-I cells in A) or Tetramer (TM) in B.

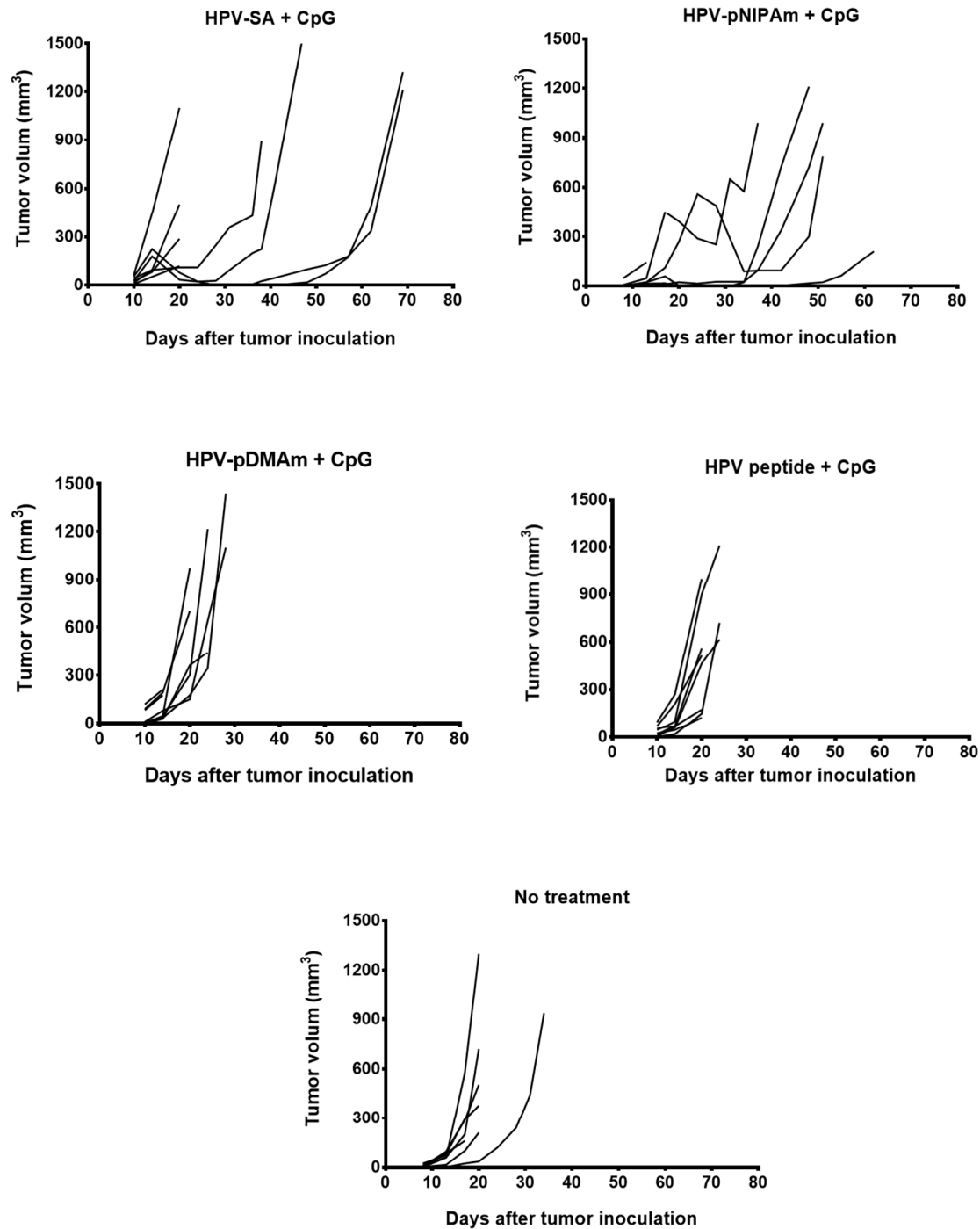


Figure S3. Tumor volume in tumor bearing mice. Tumor size was measured two-dimensionally with calipers 2-3 times per week and volume was calculated via this formula: tumor volume [mm<sup>3</sup>] = (length [mm]) × (width [mm])<sup>2</sup> × 0.52. Mice were sacrificed for ethical reasons when the actual tumor volume reached about 2000 mm<sup>3</sup> or when the tumor became ulcerated.