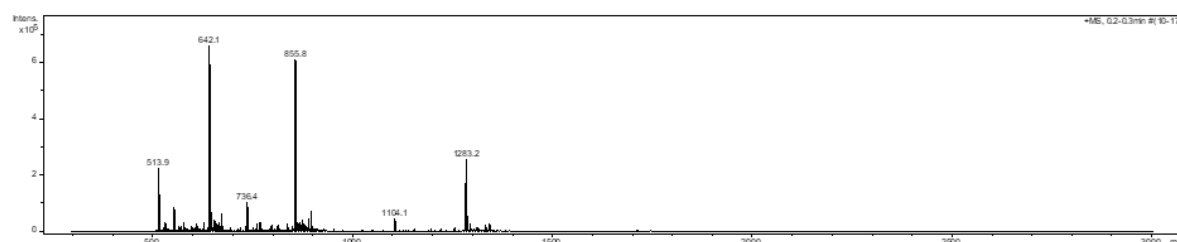


Supplementary Materials: Retinoic Acid-Containing Liposomes for the Induction of Antigen-Specific Regulatory T Cells as a Treatment for Autoimmune Diseases

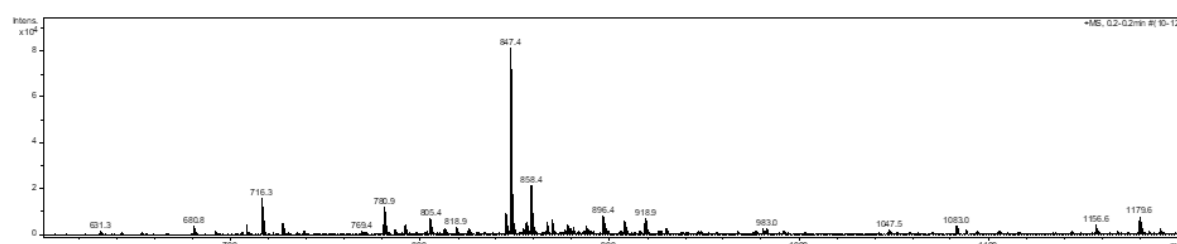
Daniëlle ter Braake, Naomi Benne, Chun Yin Jerry Lau, Enrico Mastrobattista, Femke Broere

Supplements

hPG-K4-FAM (Theoretical mass=2564.8 Da; $[M+2H]^{2+}=1283.4$, $[M+3H]^{3+}=855.9$, $[M+4H]^{4+}=642.2$)



hPG (Theoretical mass=1693.82; $[M+2H]^{2+}=847.9$)



hPG-K4 (Theoretical mass=2206.51; $[M+2H]^{2+}=1104.3$, $[M+3H]^{3+}=736.5$)

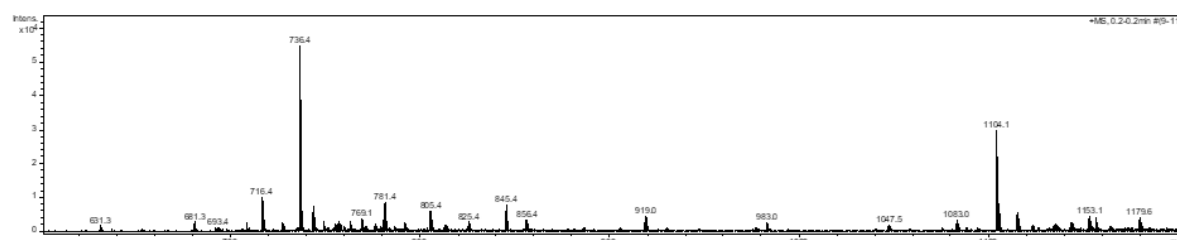


Figure S1. Mass spectrometry analysis of the synthesized peptide products.

Table S1. properties of hPG-FAM liposomes, means.

Formulation	Z-average Diameter (nm)	ζ-potential (mV)	PDI	Encapsulation hPG (%)	Encapsulation RA (%)
hPG-FAM	197.7	-45.6	0.105	34.4	-
hPG-FAM/RA	202.5	-41.3	0.103	38.7	77.3

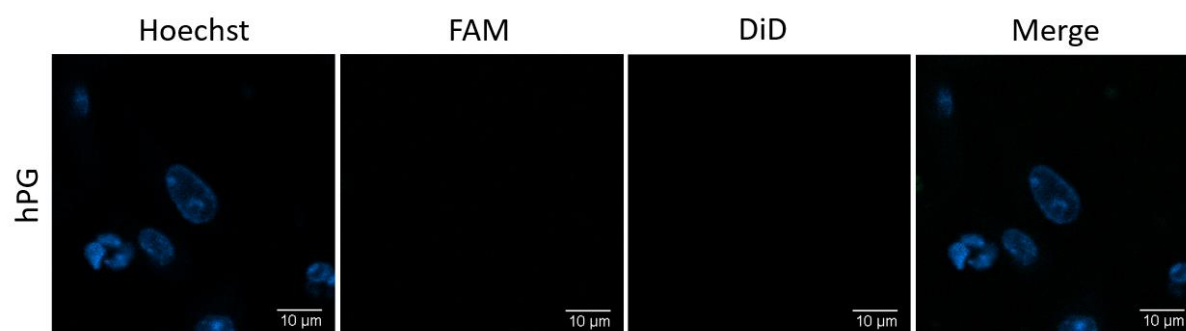


Figure S2. Background fluorescence from unlabeled hPG. BMDCs were cultured from the bone marrow of Balb/c mice. BMDCs were stimulated with LPS and cultured in the presence of 1 µg/mL hPG. After 24 hours incubation, cells were washed carefully to remove unbound liposomes. Briefly before imaging, 5 µg/mL Hoechst dye was added to each well.