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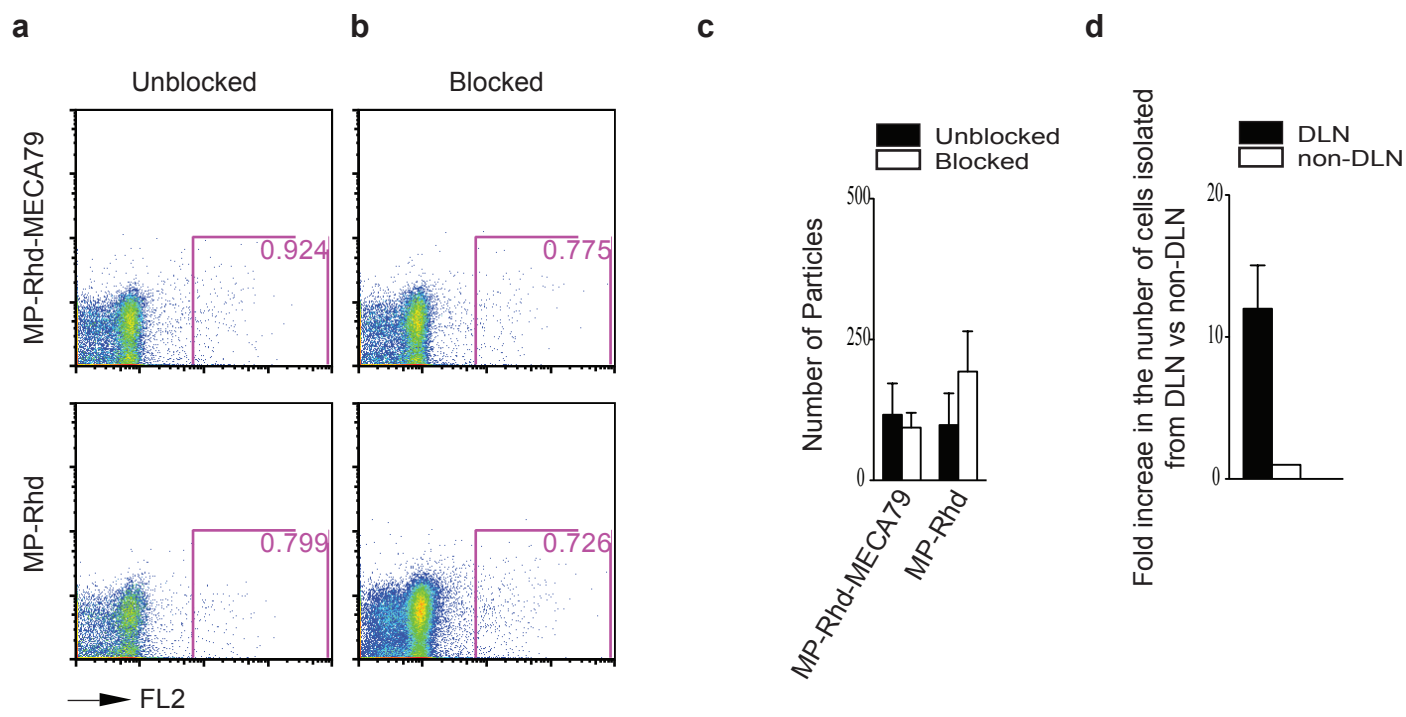
Supplemental Information

Targeted Delivery of Immunomodulators to Lymph Nodes

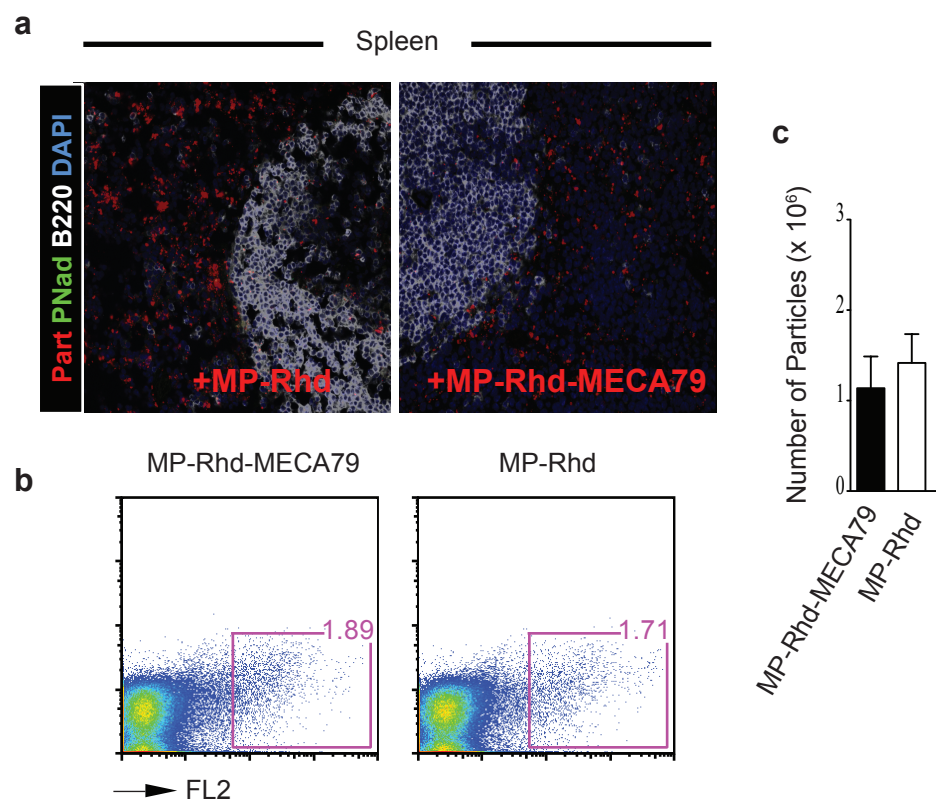
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Group	MP-Rhd-MECA79	MP-Rhd
	Rhd-PLA/PEG-PLGA/PLA-PEG-protein G/MECA79 Ab	Rhd-PLA/PEG-PLGA/PLA-PEG-protein G
M_w PEG (Da)	5k	5k
Size (μ m)	1.62	1.63
PDI	0.43	0.43
Zeta potencial (mV)	-22	-21

Supplementary Table 1



Azzi et al. Supplementary Figure 1



Azzi et al. Supplementary Figure 2

Supplemental materials

Table S1. This table supports Fig. 1. Formulation parameter and physicochemical properties of PEGylated, rhodamine (Rhd) labeled MP-TAC-MECA79 and MP-TAC (M_w PEG: molecular weight of poly(ethylene glycol)).

Referenced in page 7

Fig. S1. This figure supports Fig. 4 and 5. Blocking PNAd does not affect trafficking of MP-MECA79 or MP particles to non-draining LN in a transplant mice model.

(A) FACS analysis of cell suspension from the pancreatic non-draining LNs of skin transplant recipients injected with either MP-Rhd-MECA79 or MP-Rhd showing no difference in accumulation of rhodamine labeled MP-MECA79 compared to MP. (B) FACS analysis of cell suspension from the pancreatic non-draining LNs of skin transplant recipients injected with blocking anti PNAd antibody 1 hour before injection of rhodamine labeled particles. (C) Graph in panel C shows the absolute number of rhodamine labeled particles (n=4 mice /group, p =ns). (D) Graph shows the fold increase in the number of cells isolated from the DLN of transplanted mice compared to non draining LN (n=3/group).

Referenced in pages 8, 9 and 10

Fig. S2. This figure supports figure 4. Trafficking of MP-MECA79 and MP particles to the spleen (A) Spleens of mice transplanted with allogeneic skin-grafts were analyzed by immunohistochemistry after intravenous injection of rhodamine labeled MP-TAC-MECA79 (MP-Rhd-MECA79) or MP-TAC (MP-Rhd). No PNAd staining was detected. Many MECA79 particles are seen in addition to B220 staining (white) and the cell nuclei (DAPI). 40X objective

was used. (n=4 mice/group). (B) FACS analysis of cell suspension from the spleens of skin transplant recipients injected with MP-Rhd-MECA79 or MP-Rhd. (C) Graph in panel C shows the absolute number of rhodamine labeled particles in the spleens of the treated mice (n=4 mice /group, * $p < 0.05$).

Referenced in pages 8, 9 and 10

Video S1. This video support figure 4. Optical sections of the tissue imaged by the two-photon microscopy were compiled into a three-dimensional volume

Referenced in page 8