

**Supporting Information**

**Regulation of microglia polarization via mannose receptor-mediated  
delivery of siRNA by ligand-functionalized DoGo LNP**

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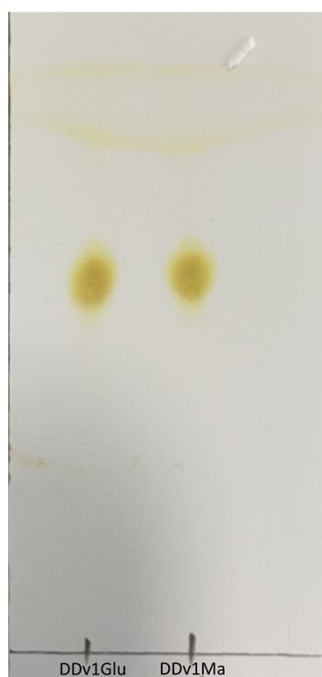
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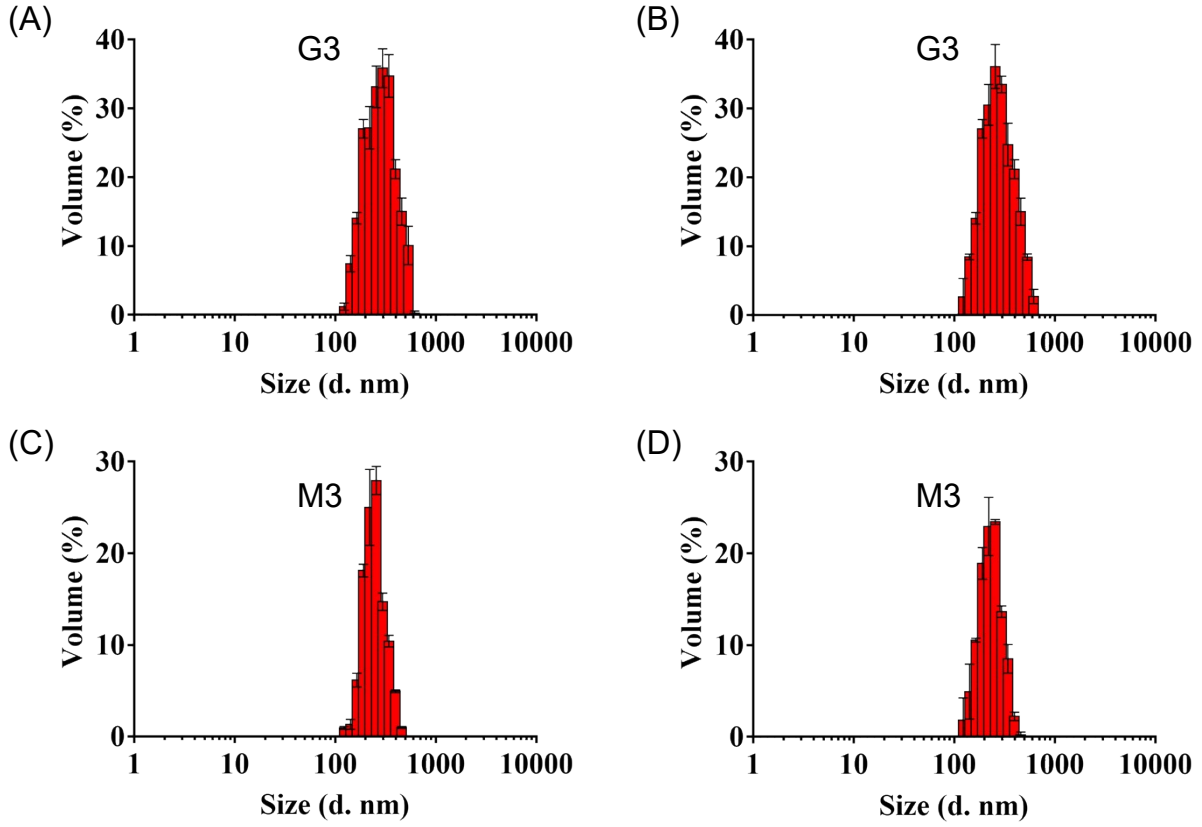
**Table S1.** Primer sequences

Primer	Sequences (5'-3')
m $\beta$ -actin-F	ctaaggccaaccgtgaactga
m $\beta$ -actin-R	accagaggcatacagggaca
mTLR4-F	tcatcaaggatactctctgaagga
mTLR4-R	gatgaaggaaaaggatgtagacc
mCD206-F	tcattggaagatccactctgg
mCD206-R	cagcgcttgatcttcattatag
miNOS-F	cttggccacggacgagac
miNOS-R	tcattgtactctgagggtgac

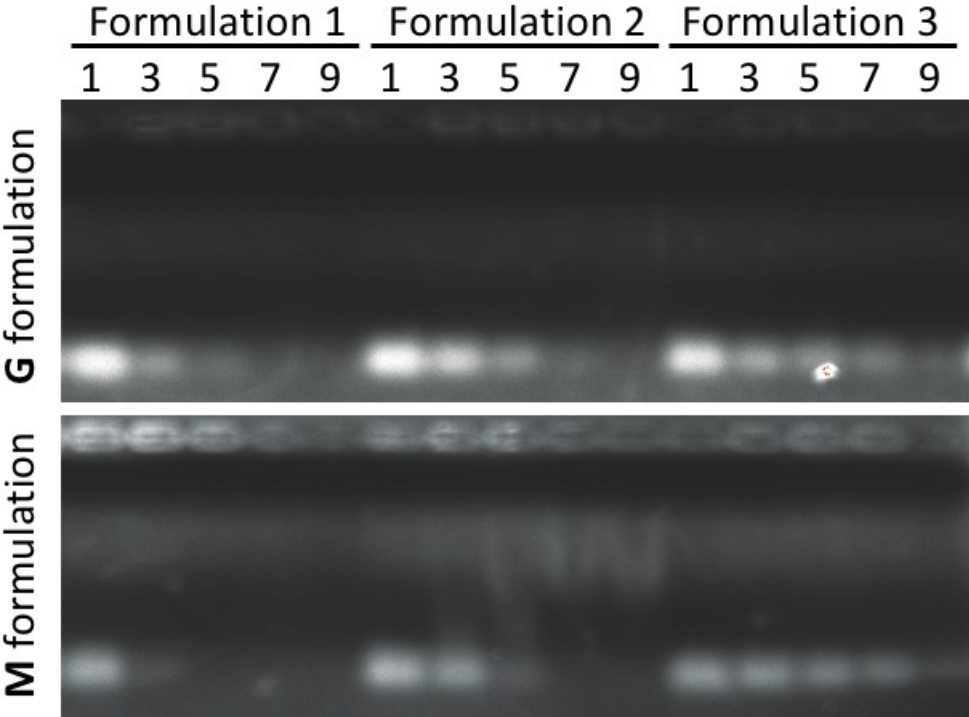
**Figure S1.** Analysis of DDv1Glu and DDv1Ma by Thin Layer Chromatography (TLC). Eluents: DCM/MeOH 5:1.



**Figure S2.** Particle size distribution of siRNA/G3 and siRNA/M3 complexes at different N/P ratios.



**Figure S3.** Electrostatic interaction assay of G and M formulations with siRNA at different amino/phosphate (N/P) ratio.



**Figure S4.** Confocal images of BV2 cells (A) and C8-D1A cells (B) treated with FITC-siRNA/G3, or siRNA/M3.

