

Targeting mannose receptor with functionalized fucoidan/chitosan nanoparticles triggers the classical activation of macrophages

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Supplementary data

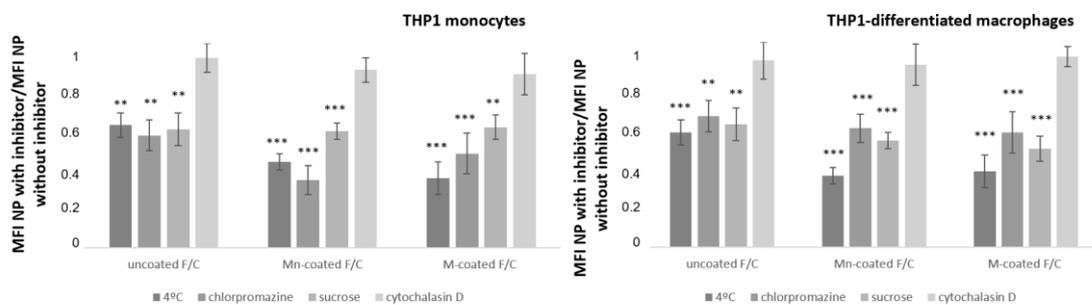


Figure S1. Mechanism of internalization of uncoated and sugar-coated F/C nanoparticles. Effect of inhibitors of clathrin-mediated endocytosis (4°C; chlorpromazine and sucrose) and of macropinocytosis (cytochalasin D) upon 1 hour of incubation with THP1 monocytes and differentiated macrophages. MFI – mean fluorescence intensity; NP – nanoparticle; F/C – fucoidan/chitosan; Mn – mannan; M – mannose. ** $p < 0.01$; *** $p < 0.001$.

Table S1. THP-1-differentiated macrophages secreted cytokines

	IL1 β (pg/mL)	IL-6 (pg/mL)	TNF- α (pg/mL)
Untreated cells	55 \pm 9	214 \pm 11	235 \pm 9
Mn	63 \pm 6	240 \pm 19	215 \pm 7
M	65 \pm 3	228 \pm 6	198 \pm 9

Data represents mean \pm standard deviation (n=3)