Electronic Supplementary Material (ESI) for New Journal of Chemistry.

Electronic Supplementary Information

Targeted doxorubicin delivery to hepatocarcinoma cells by lactobionic acid-modified laponite nanodisks †

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Table S1. Zeta Potential and Hydrodynamic Diameter of LM-*m*PEG and LM-PEG-LA in PBS buffer (pH=7.4).

Sample	Zeta Potential (mV)	Hydrodynamic Diameter (nm)
LM-*m*PEG	-14.5±1.4	357.7±12.6
LM-PEG-LA	-14.4±1.3	337.9±13.1

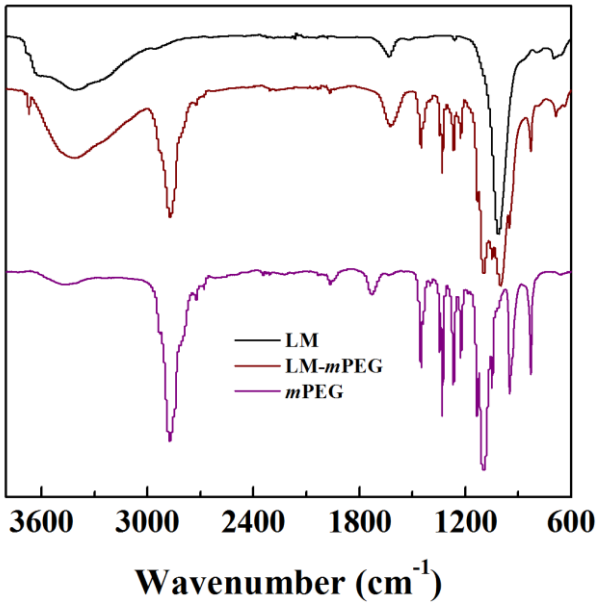

Figure S1. FTIR spectra of (a) LM-NH_2, LM-*m*PEG and *m*PEG.

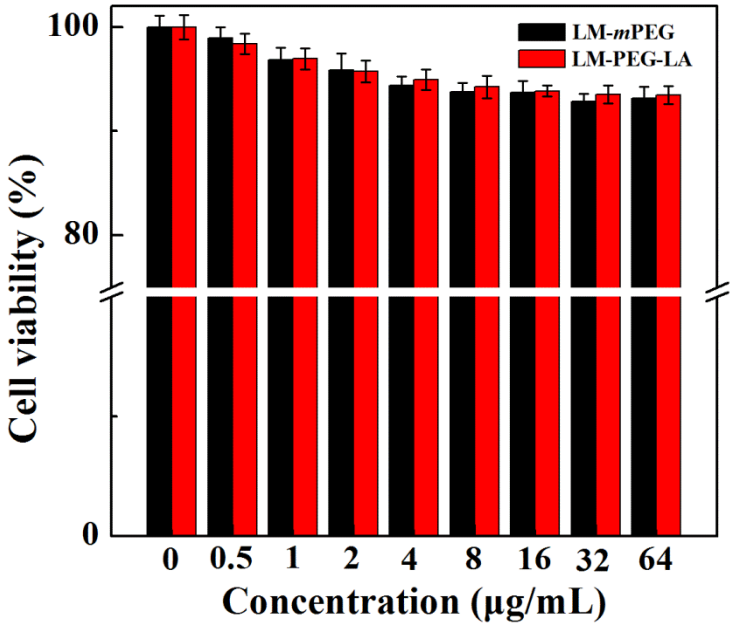

Figure S2. MTT assay of HepG2 cell viability after treatment with LM-mPEG and LM-PEG-LA at the concentration of 0-64 μg/mL for 24 h.

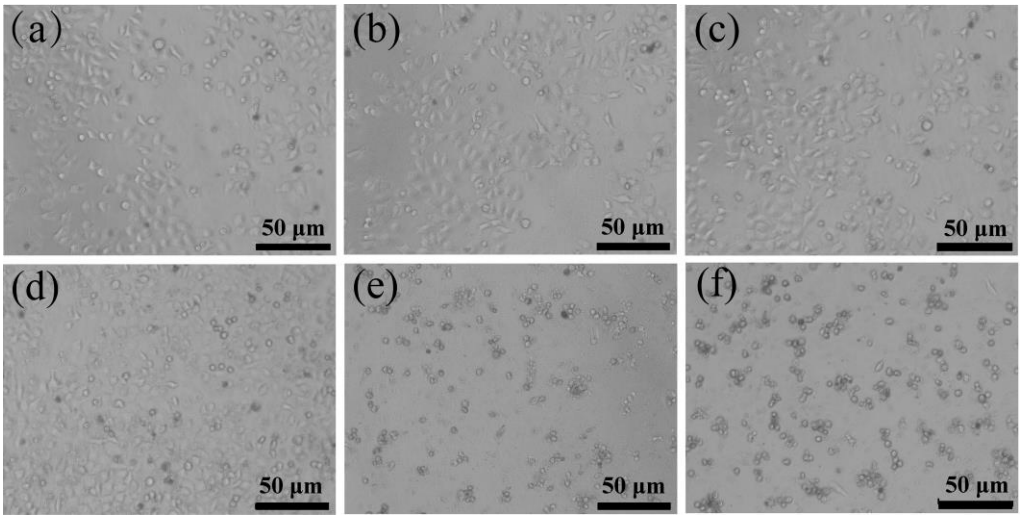

Fig. S3 Micrographs of HepG2 cells without treatment (a) and HepG2 cells treated with LM-mPEG (b), LM-PEG-LA (c), LM-mPEG/DOX (d), LM-PEG-LA/DOX (e), and free DOX (f) at the same DOX concentration of 2 μg/mL for 24 h, respectively.

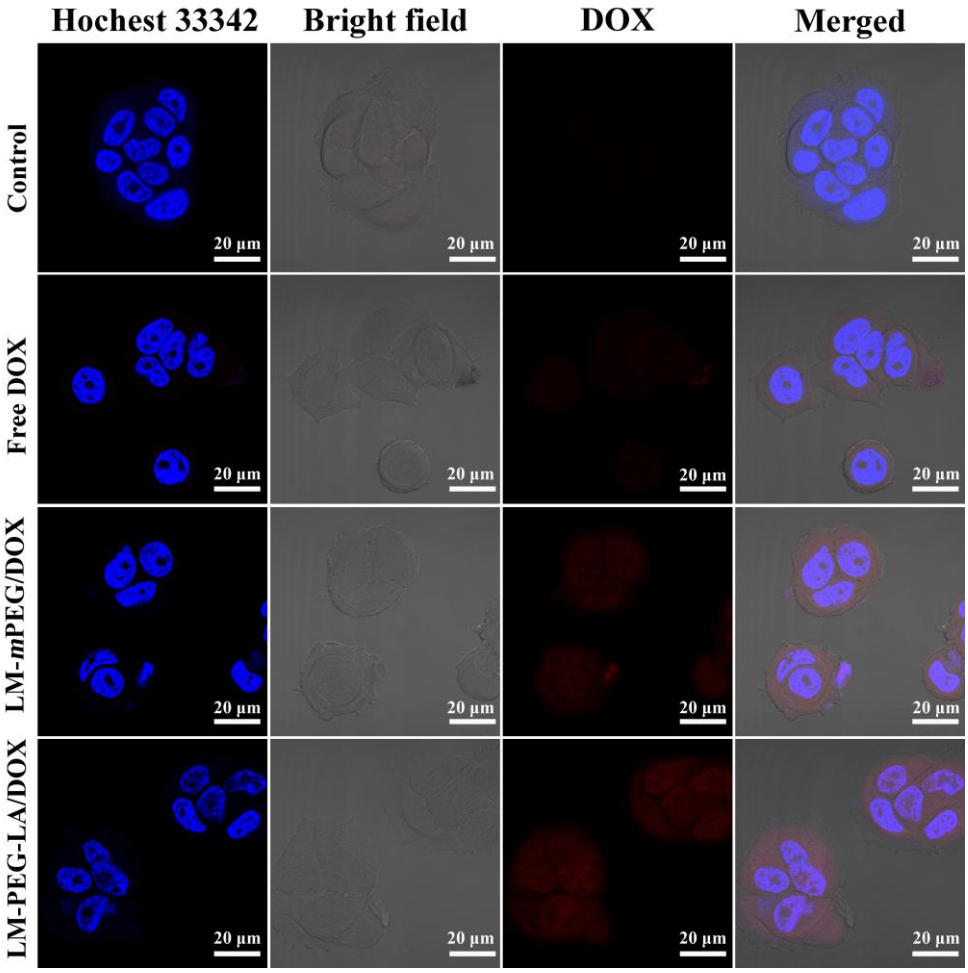

Fig. S4 CLSM images of MCF-7 cells treated with PBS (a), free DOX(b), LM-*m*PEG/DOX (c), LM-PEG-LA/DOX (d) with a DOX concentration of 2 μg/mL for 4 h at 37 ℃.

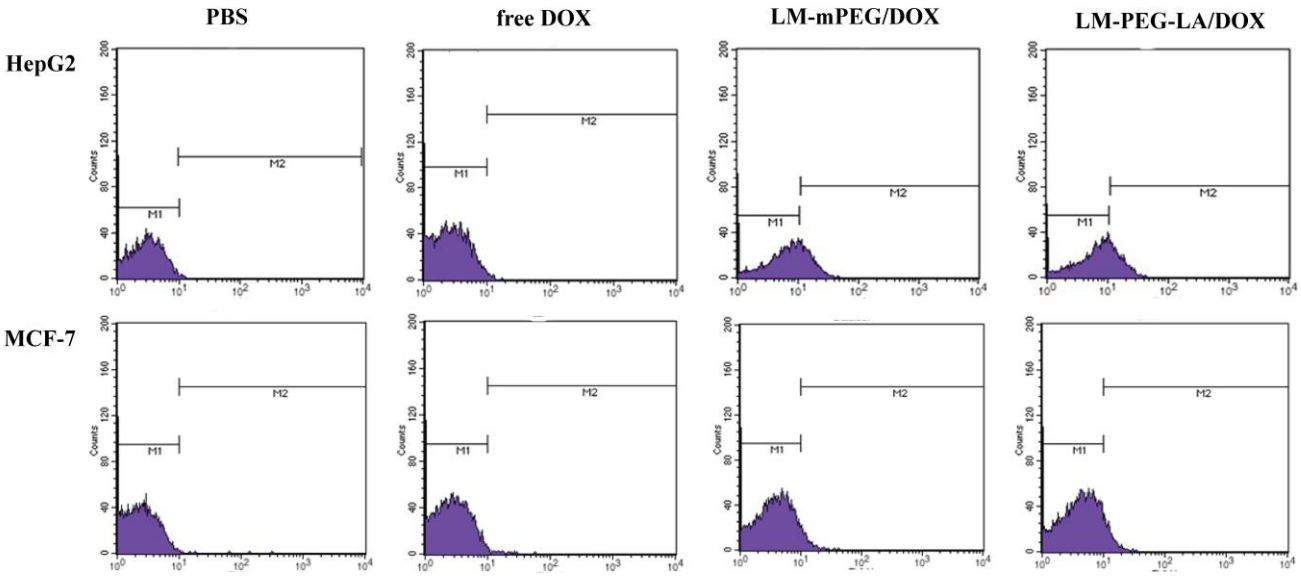

Fig. S5 FCM analysis of HepG2 cells or MCF-7 cells treated with PBS (a), free DOX (b), LM-*m*PEG/DOX (c) and LM-PEG-LA/DOX (d) in at a DOX concentration of 2 μg/mL for 4 h.