Synergistic Effect of Folate and RGD Dual Ligand of Nanographene Oxide

On Tumor Targeting and Photothermal Therapy In Vivo

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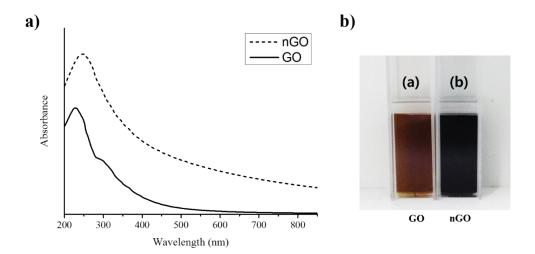
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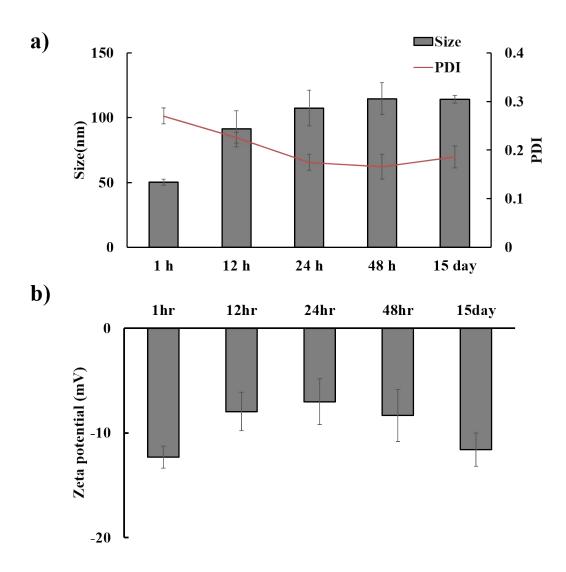
Supplementary figure 1.

a) UV-Vis spectra of GO and nGO. b) Photograph of GO and nGO (1mg/ml)



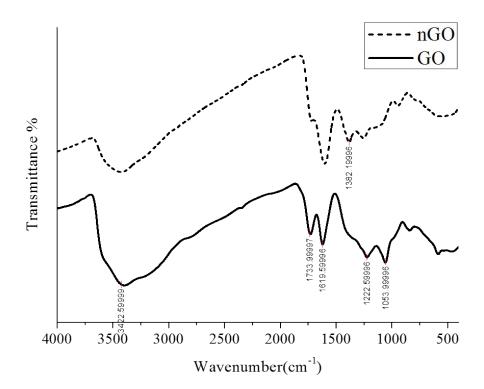
Supplementary figure 2.

Long term stability of dual ligand functionalized cRGD-FA-nGO in serum containing cell culture media (DMEM + 10% FBS) at several time points (n = 3). Samples were maintained in shaking incubator at 37°C. Change of (a) hydrodynamic size and (b) zeta potential were measured by DLS at 37°C.



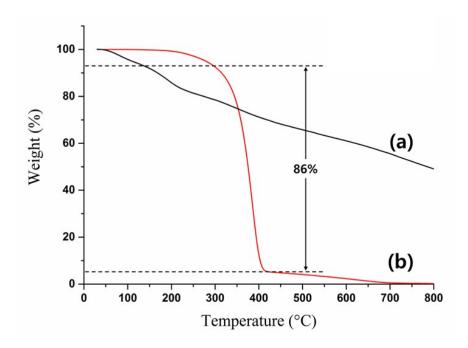
Supplementary figure 3.

FTIR spectra of (a) GO and (b) nGO. Freeze dried samples (1wt%) were prepared in KBr pellet.



Supplementary figure 4.

TGA curves of (a) nGO and (b) PF-nGO. 5mg of freeze dried samples were heated from 30°C to 800°C at scanning rate of 5°C/min in N_2 atmosphere.



Supplementary figure 5.

Body weight changes after photothermal therapy

