

Supporting Information

Design of Multifunctional FePt/GO Nanocomposites for Targeting, Dual-Modal
Imaging Diagnostic and in situ Therapeutic Potential Theranostic Platform

Xiuwen Zheng^{*a,b}, Weihong Chen^{a,b}, Ping Cui,^a Zhiming Wang,^a Wei
Zhang^{a,b}

^aSchool of Chemistry & Chemical Engineering, Linyi University,

^bShandong provincial Key Laboratory of Detection Technology for
Tumor Markers, Linyi University

Linyi, Shandong, 276000, P.R.China

Tel (Fax):+86-539-8766600

* Corresponding author E-mail: xwzheng1976@gmail.com

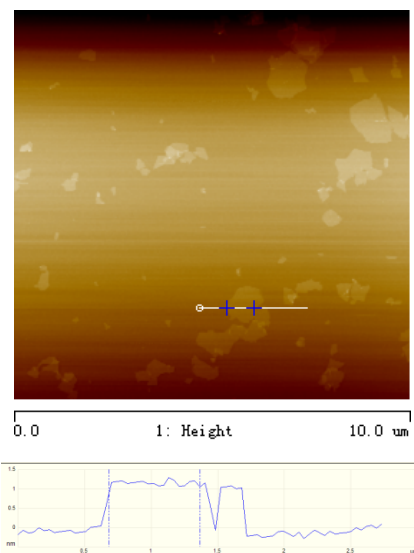


Figure S1. AFM images of GO sheets



FigureS 2. Photographs of control (left), the FePt/GO-PEG-FA-FITC (right) dispersed in the DMEM medium with 10% fetal bovine serum, respectively. Photos were taken after the samples were prepared and stored at ambient condition for two weeks

Dose ($\mu\text{g mL}^{-1}$)	DCF fluorescence intensity
0	14.66 \pm 0.86
20	17.58 \pm 1.88*
60	33.33 \pm 3.07*
100	40.71 \pm 2.20*

*P < 0.05, vs 0 $\mu\text{g}/\text{Ml}$

Figure S3. Table 1. Effect of FePt/GO-PEG NPs on intracellular ROS levels in MCF-7 cells after 6 h (n=3)