

## Supporting Information

Assembly of Fe<sub>3</sub>O<sub>4</sub> Nanoparticles onto PEG-functionalized Graphene Oxide for Efficient  
Magnetic Imaging and Drug Delivery

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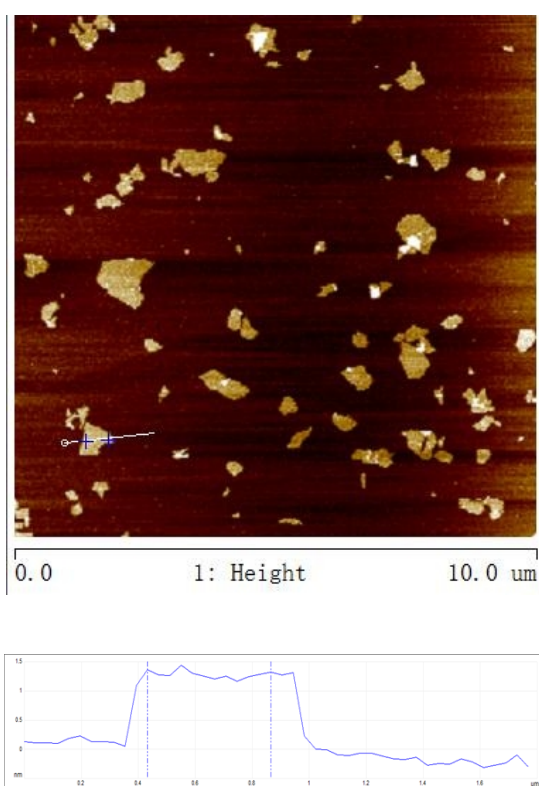


Fig. S1 AFM images of GO sheets

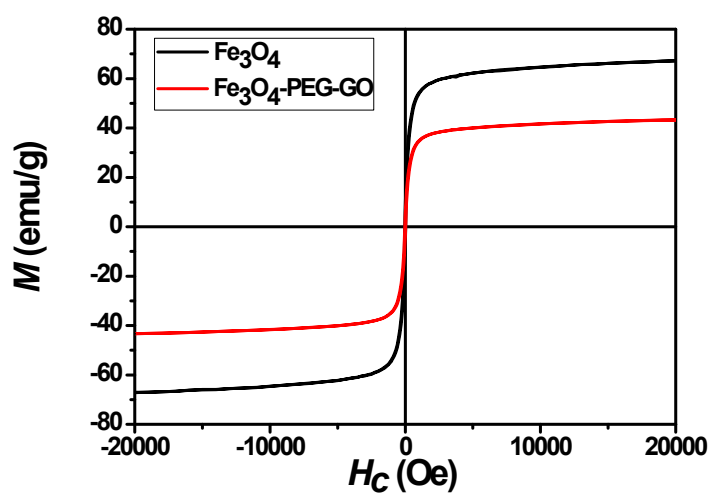


Fig. S2 Magnetization curves of DMSA-coated  $\text{Fe}_3\text{O}_4$  NP and  $\text{Fe}_3\text{O}_4$ -PEG-GO composites.

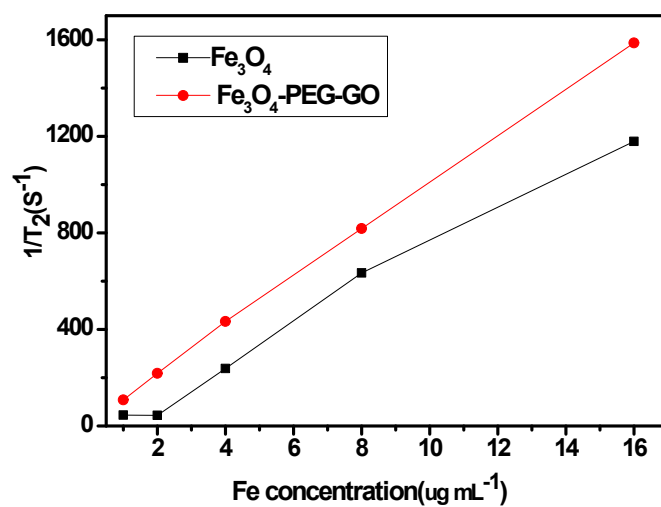


Fig. S3 T2 relaxation rates ( $1/T_2 \text{ s}^{-1}$ ) of the  $\text{Fe}_3\text{O}_4$ -PEG-GO nanocomposites, the DMSA- $\text{Fe}_3\text{O}_4$  NPs, as a function of iron concentration ( $\mu\text{g mL}^{-1}$ ).

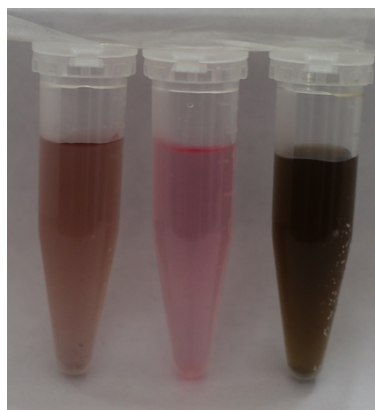


Fig. S4 Photographs of the  $\text{Fe}_3\text{O}_4\text{-GO}$  composites in the RPMI 1640 medium with 10% fetal bovine serum (A), the RPMI 1640 medium with 10% fetal bovine serum (B), and the  $\text{Fe}_3\text{O}_4\text{-GO}$  composites in water (C). Photos were taken after the samples stored at ambient condition for 24 h.