Supporting Information

Enzyme/inorganic nanoparticle dual-loaded animal protein/plant protein composite nanospheres and their synergistic effect in cancer therapy

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Number of pages: 3

Number of figure: 2

Number of table: 1

Sample	Hydrodynamic Diameter (nm)	PDI	Zeta Potential (mV)
RSF/Zein	300 ±6	0.032 ± 0.014	-29.1 ± 0.6
GOx@RSF/zein	304 ±3	0.041 ± 0.007	-22.1 ± 0.5

Table S1. Size and zeta potential of RSF/zein and GOx@RSF/zein nanospheres

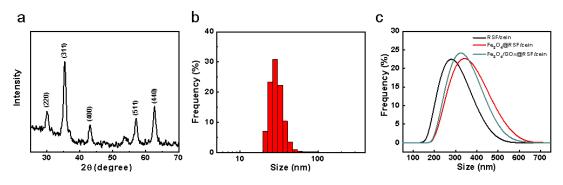


Fig. S1 Characterization of Fe_3O_4 nanoparticles and the related nanospheres. (a) XRD pattern and (b) hydrodynamic diameter distribution histogram of Fe_3O_4 nanoparticles synthesized by co-precipitation, (c) hydrodynamic diameter of RSF/zein, $Fe_3O_4@RSF/zein$, and $Fe_3O_4/GOx@RSF/zein$ nanospheres.

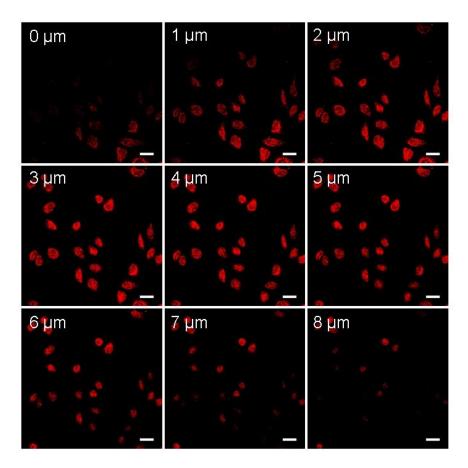


Fig. S2 Z-stack confocal fluorescence images of MCF-7 cell after incubated with $Fe_3O_4/GOx@RSF/zein$ nanospheres at 37 °C for 4 h. Scanning step: 1 µm. Scale bar: 20 µm.