

## Supporting Information

### Targeted Delivery of siRNA Using RGDfC-Conjugated Functionalized Selenium Nanoparticles for Anticancer Therapy

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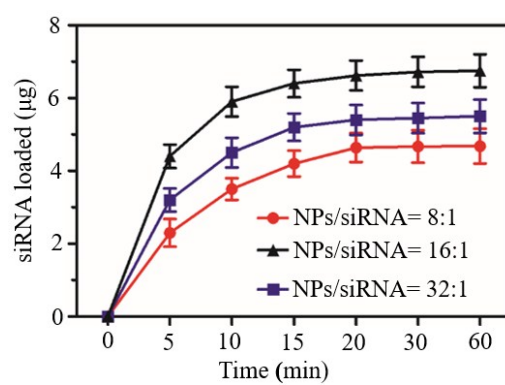
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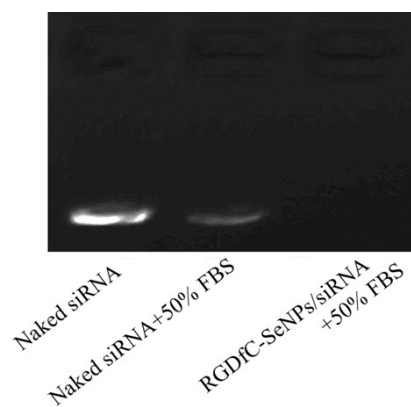
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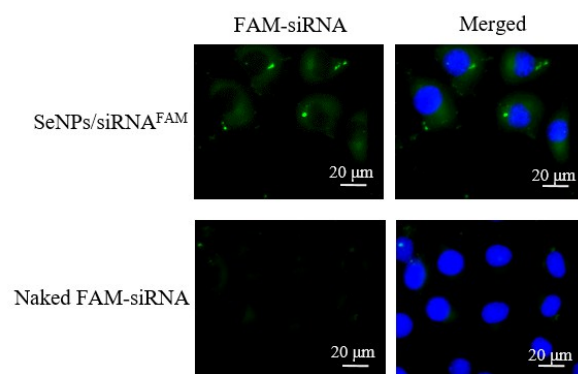
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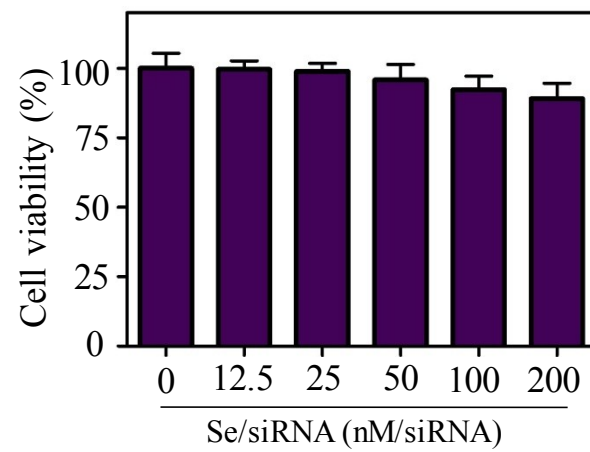
**Fig. S1** Loading quantity of siRNA onto RGDFC-SeNPs (NPs) with different RGDFC-SeNPs/siRNA ratio.



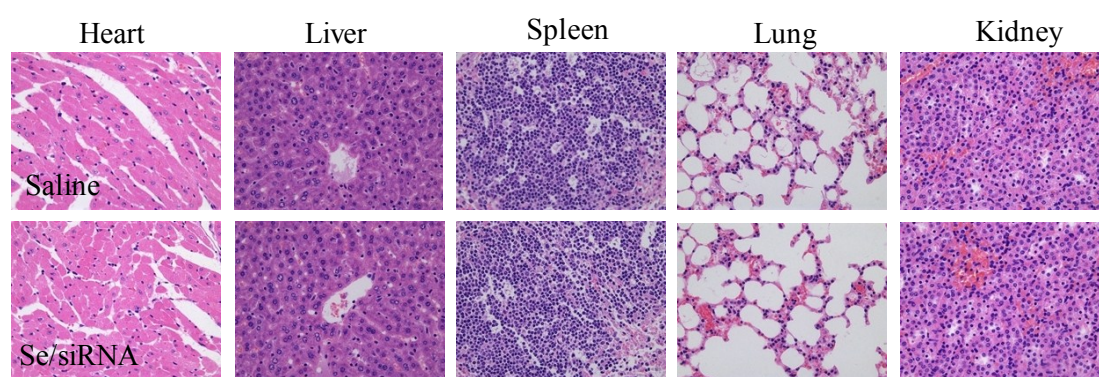
**Fig. S2** Agarose gel electrophoretogram showing siRNA protection by RGDfC-SeNPs for 1 h incubation compared to siRNA exposed to 50% serum. Naked siRNA not exposed to serum was used as control.



**Fig. S3** Confocal images of HepG2 cells incubated with SeNPs/siRNA<sup>FAM</sup> and Naked FAM-siRNA for 2 h, respectively. siRNA was visualized via green fluorescence, and cell nuclei was stained with DAPI (blue).



**Fig. S4** In vitro cytotoxicity of RGDfC-SeNPs/siRNA (Se/siRNA) on L0-2 cells after incubation for 48 h.



**Fig. S5** H&E analyses of heart, liver, spleen, lung and kidney after treatment with saline or RGDfC-SeNPs/siRNA (Se/siRNA).