Electronic Supplementary Material (ESI) for Biomaterials Science.
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Supporting Information

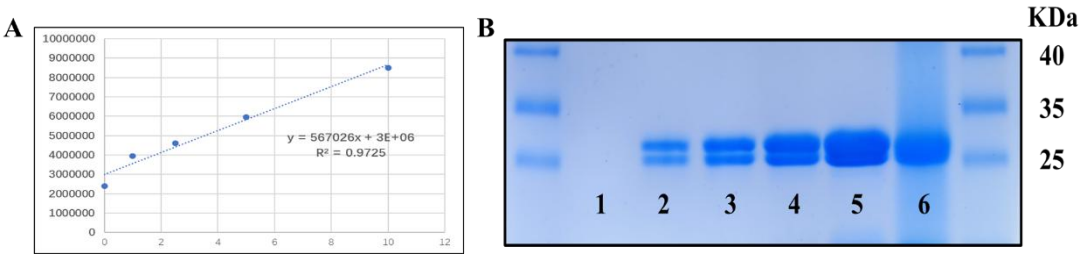

Figure 1. Coomassie Brilliant Blue staining of SDS−PAGE band was performed to calculate RBZ loaded on the S-PEG-ICG-RGD-RBZ NPs. (A) The standard curve of RBZ, (B) Coomassie Brilliant Blue staining of SDS−PAGE band.

Abbreviation: NP: nanoparticle, RBZ: ranibizumab.

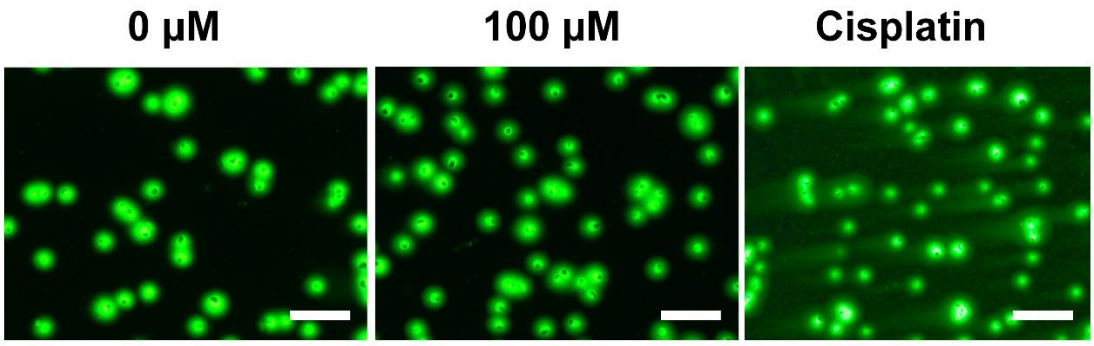

Figure S2. SCGE assay was applied to detect the genotoxicity of NPs. Cisplatin could induce genetic damage, which was used as positive control. Scale bar: 200 μm.

Abbreviation: SCGE: single cell gel electrophoresis, NP: nanoparticle.

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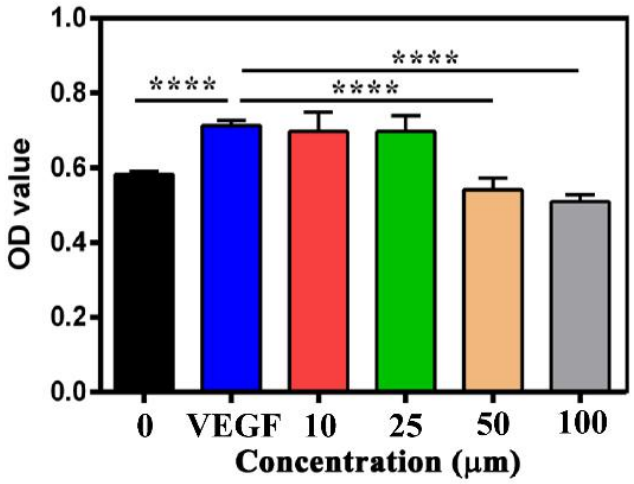

Figure S3. Cell proliferation was measured by CCK-8 assay in different groups. The proliferation of HUVECs induced by VEGF was inhibited by NPs incubation.

Abbreviation: NP: nanoparticle, VEGF: vascular endothelial growth factor, HUVEC: human umbilical vein endothelial cell, CCK: Cell counting kit.

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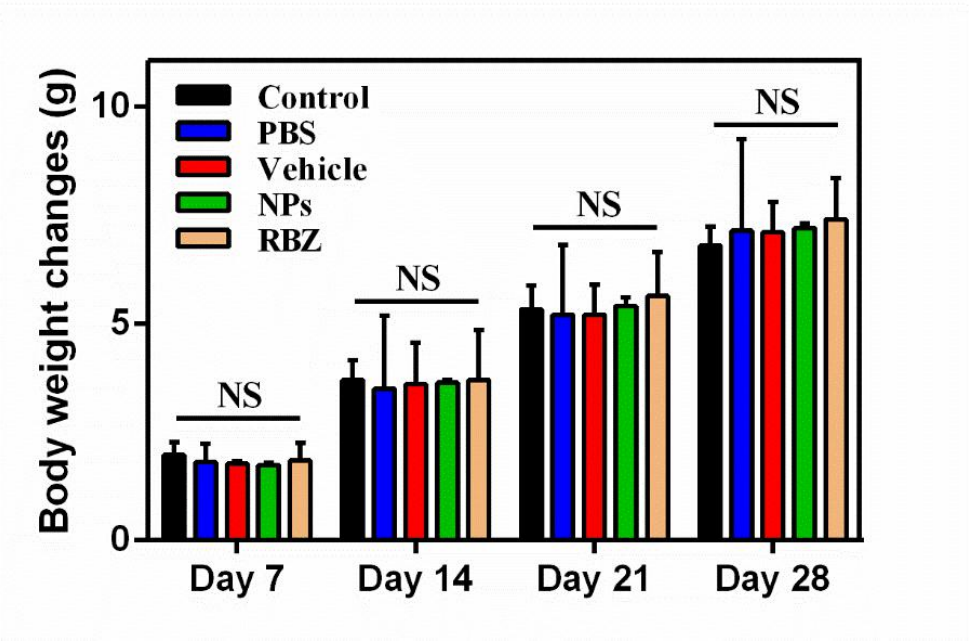

Figure S4. The changes of body weight were recorded to observe the growth curve of mice in different groups.

Abbreviation: NP: nanoparticle, RBZ: ranibizumab.

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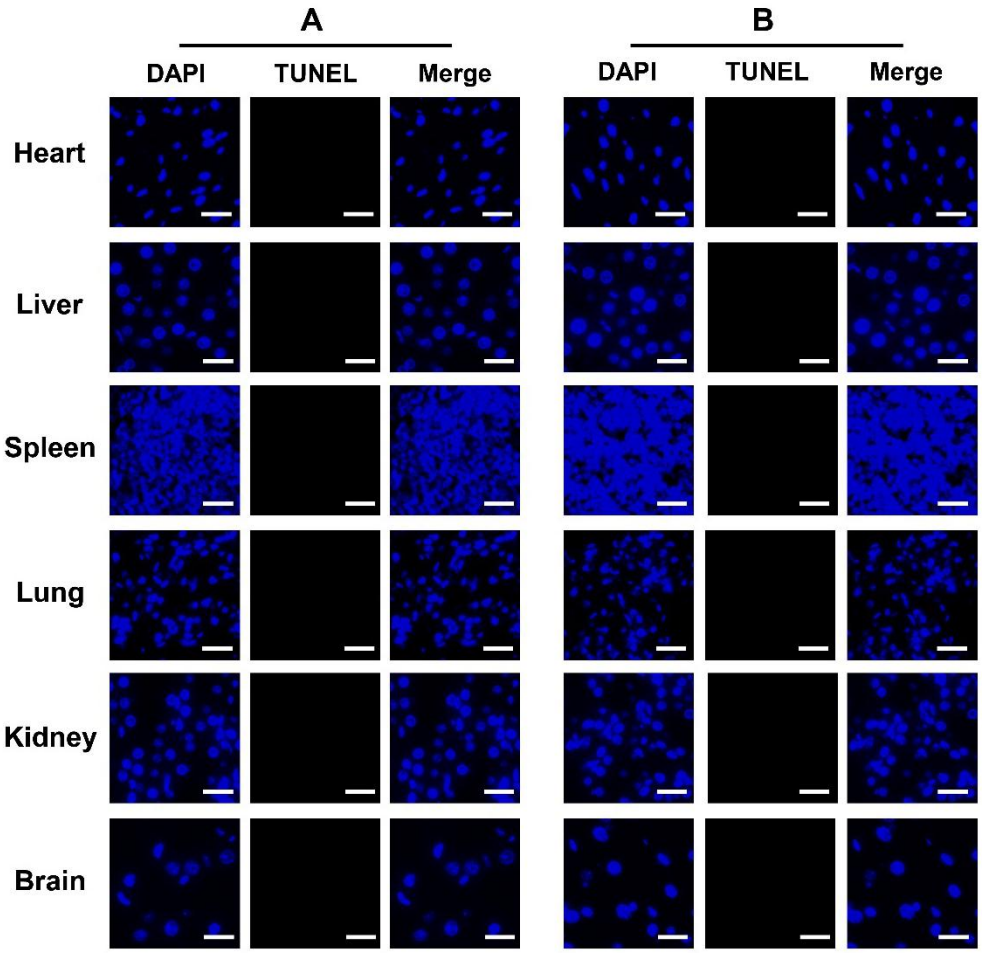

Figure S5. The apoptosis of heart, liver, spleen, kidney and brain was analyzed by TUNEL staining after intravenous administration of NPs before (A) and after 28 d (B). Scale bar: 25 μm. Abbreviation: TUNEL: Terminal dUPT nick-end labeling, NP: nanoparticle.