Supporting Information

Hemoglobin as a smart pH-sensitive nanocarrier to achieve aggregation enhanced tumor retention

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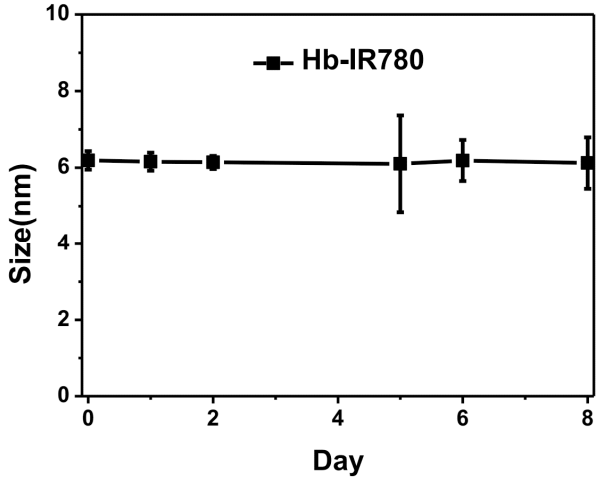

Figure S1. Hydrodynamic size of the Hb-IR780 complex in PBS over 8 days.

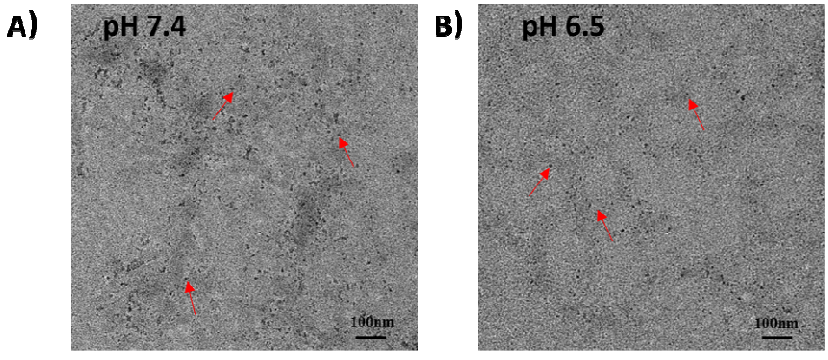

Figure S2. TEM images of the BSA-IR780 complex at pH 7.4 and pH 6.5 (The complex is highlighted by red arrow).

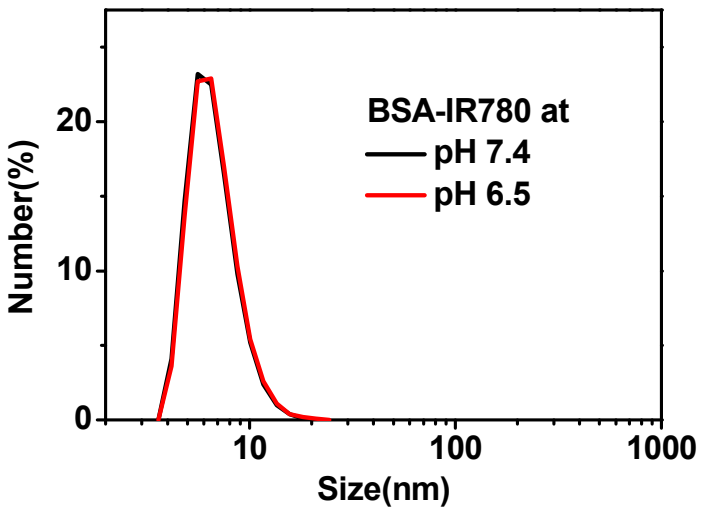

Figure S3. DLS results of the BSA-IR780 complex at pH 7.4 and pH 6.5.

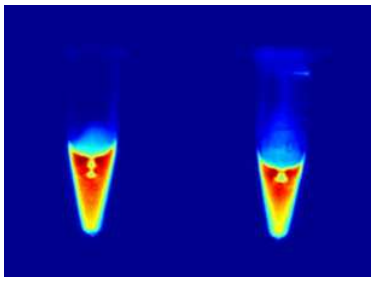

Figure S4. NIR imaging of the Hb-IR780 complex at pH 7.4 and pH 6.5.

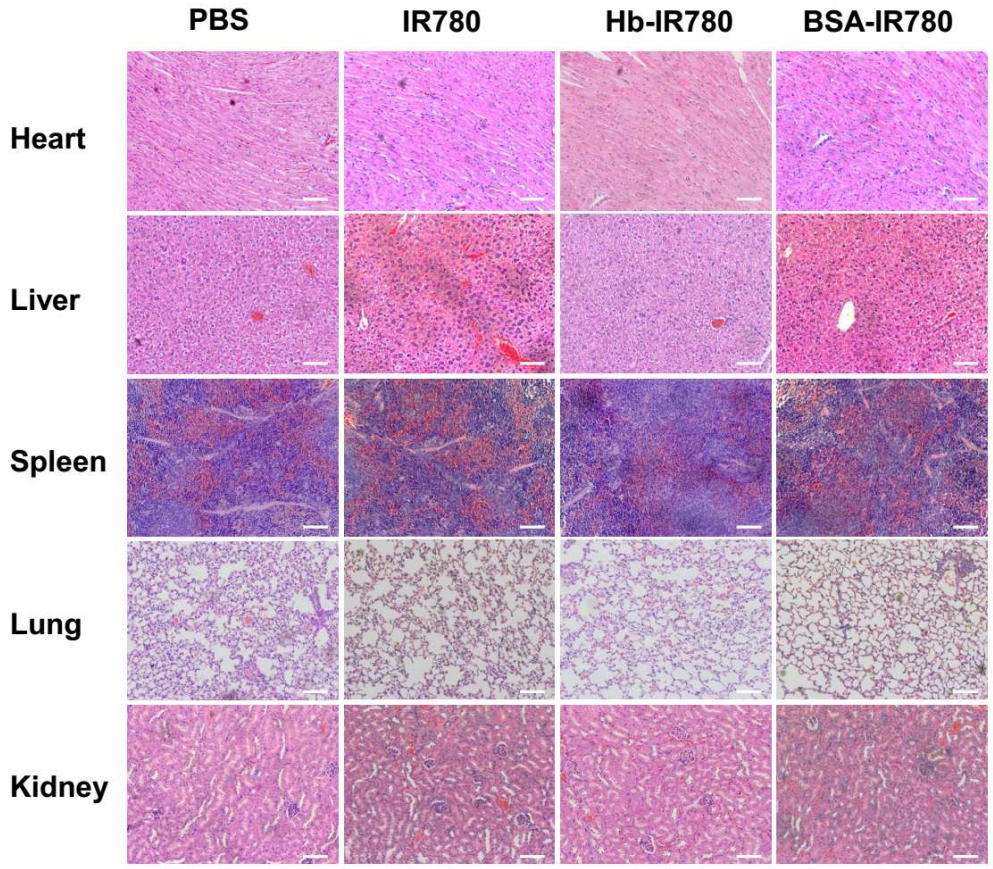

Figure S5. Hematoxilin and eosin (H&E) staining of primary organs of KB tumor bearing mice that treated with PBS, free IR780, the Hb-IR780 complex and the BSA-IR780 complex. Scale bars: 100μm.