**Supporting Information**

## **Noninvasive targeting delivery and in vivo magnetic resonance tracking method for live apoptotic cells in cerebral ischemia with functional Fe2O3 magnetic nanoparticle**

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**T2 (ms)**



**Figure S1.** Phantom MRI of conjugated SR-FLIVO-FMNP showing T2 weighted signal reduction based on Fe concentration that was determined using Shimadzu atomic absorption spectrophotometer AA-6200.

**Figure S2.** Surface zeta potential of SR-FLIVO-FMNP probe which shows a slightly negative surface charge.