

Supplementary information for the manuscript:

Fibrin-targeted nanoparticles for finding, visualizing and characterizing blood clots in acute ischemic stroke

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Table S1: Effect of PEG size chain on the physicochemical properties of PEG-NP

NP	PEG	Size	P.I	r_2 (no Gd)	r_2 (Gd)	r_1 (no Gd)	r_1 (Gd)
Core	length			mM Fe s ⁻¹			
		(Da)					
Fe3O4	2000	97 ± 2	0.11	123 ± 6	168 ± 6	0.26 ± 0.2	0.58 ± 0.05
Fe3O4	3000	92 ± 6	0.27	120 ± 7	173 ± 7	0.27 ± 0.2	0.65 ± 0.05
Fe3O4	6000	94 ± 2	0.24	102 ± 6	162 ± 7	0.21 ± 0.2	0.69 ± 0.03
Fe3O4	10000	144 ± 4	0.30	96 ± 6	139 ± 6	0.28 ± 0.2	0.62 ± 0.02

Figure S1: (A) HPLC chromatograms for the Gd labelled KCREKA peptides and all the intermediate products.(B) HPLC chromatogram of the KCREKA peptide filtrate before and after the coupling reaction with nanoparticles.

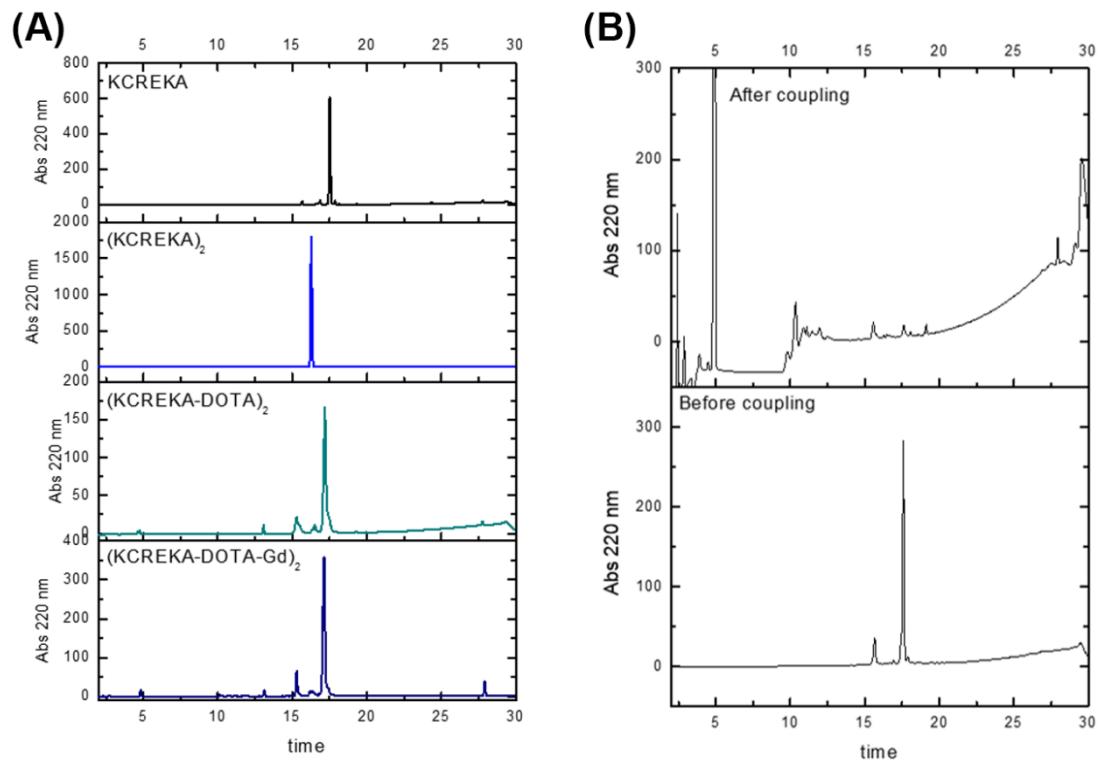


Figure S2: Protocol diagram summarizing the number of animals included and excluded animals per group.

