

Supporting Information for

Poly (D, L-lactic acid)-block-poly (N-(2-hydroxypropyl)
methacrylamide) Nanoparticles for Overcoming Accelerated
Blood Clearance and Achieving Efficient Anti-tumor
Therapy

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Scheme S1. Synthetic routes of CTA-OH.

Fig. S1. The representative ¹H NMR spectra of the intermediate product (in CDCl₃) (A) and CTA-OH(in CDCl₃)(B) .

Fig. S2. ¹H NMR spectrum of PDLLA initiated with CTA-OH.

Fig. S3. GPC elution curves of PDLLA5k, PDLLA10k and PDLLA20k.

Fig. S4. The size distribution curves of all nanoparticles except for L5k-b-H35.

Fig. S5. The CLSM images of cellular uptake of various nanoparticles by macrophages.

Fig. S6. The UV-vis adsorption spectrum of DiI (A) and blank micelles (B). The relationship between the absorbance of DiI at 549 nm and its concentration.

Fig. S7. The histogram of tumor to normal organ fluorescent intensity ratio.

Fig. S8. The GPC elution curves of PEG-b-PDLLA block copolymers before and after the dialysis in hot water (40 °C, 96 h).

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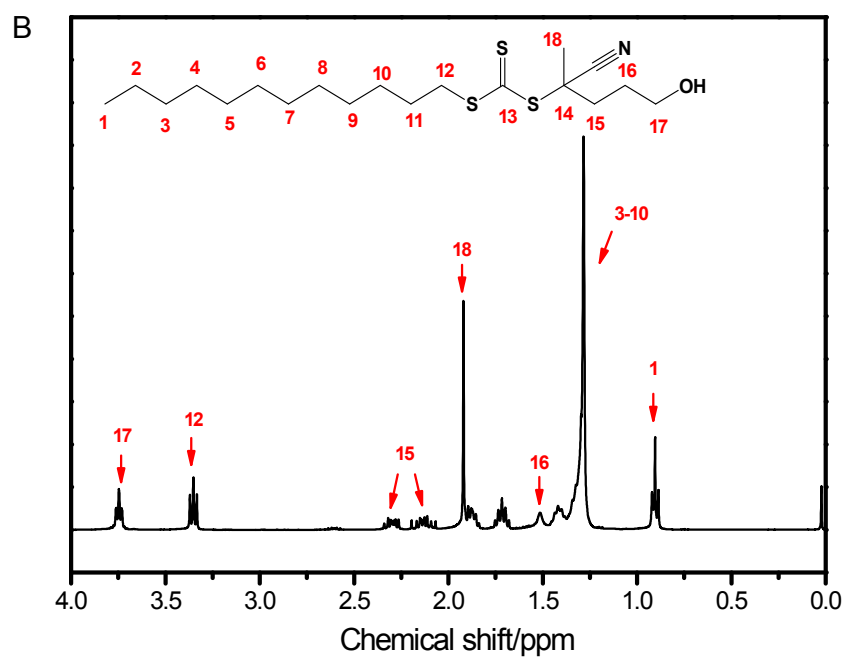


Fig. S1 The representative ^1H NMR spectra of the intermediate product (in CDCl_3) (A) and CTA-OH(in CDCl_3)(B) .

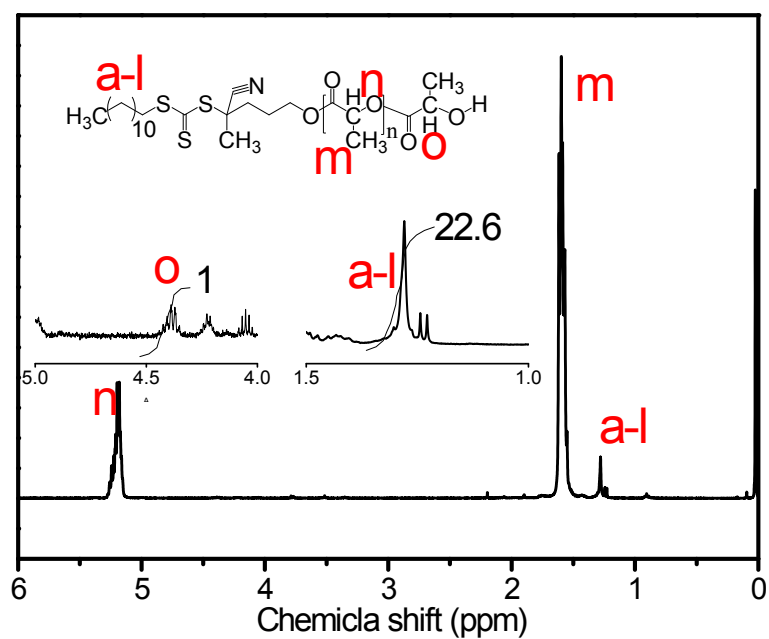


Fig. S2 ^1H NMR spectrum of PDLLA polymer initiated with CTA-OH in CDCl_3 .

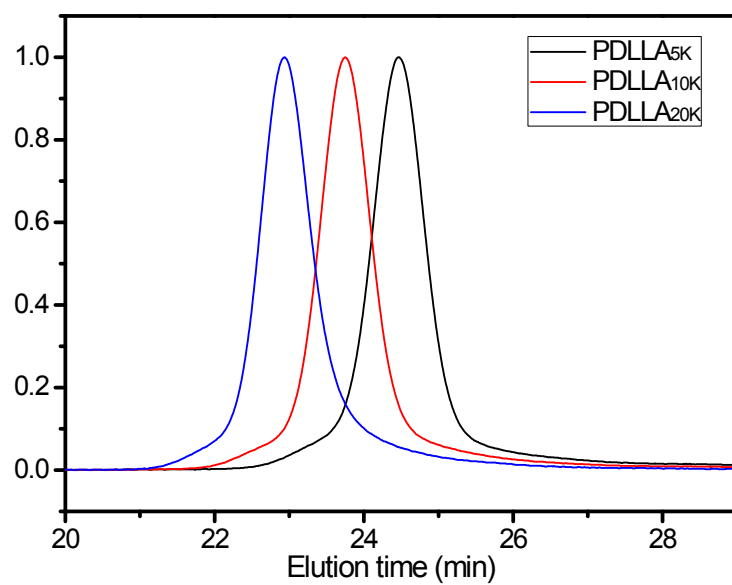
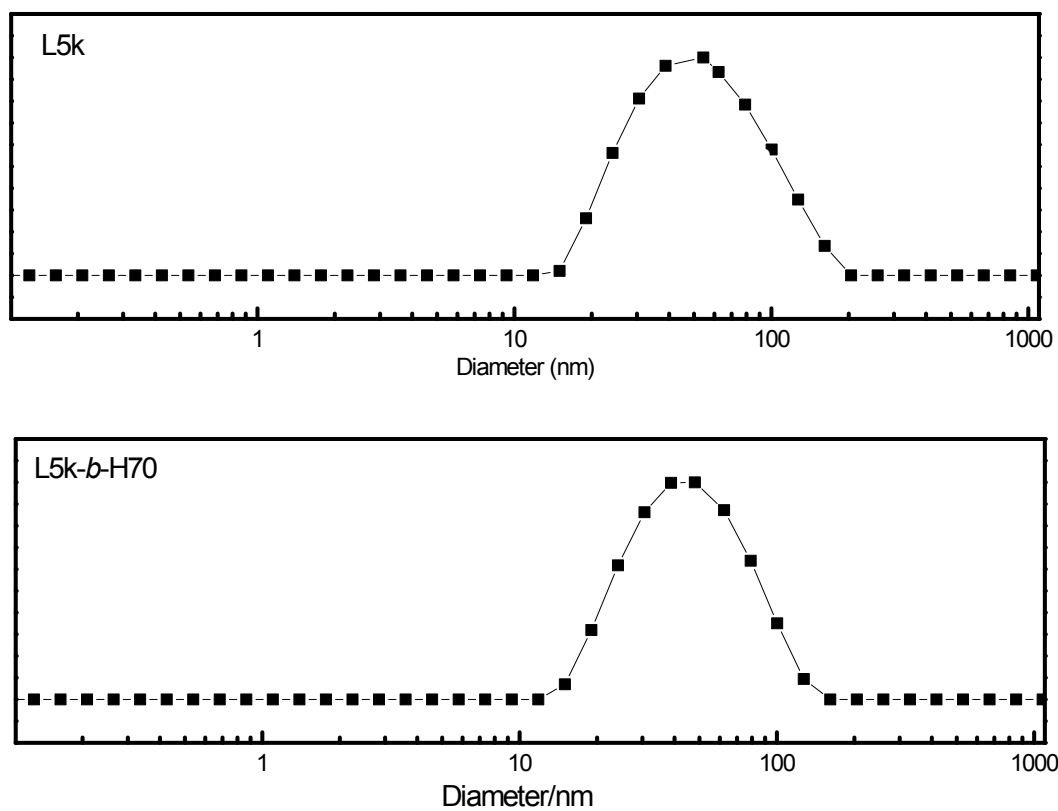
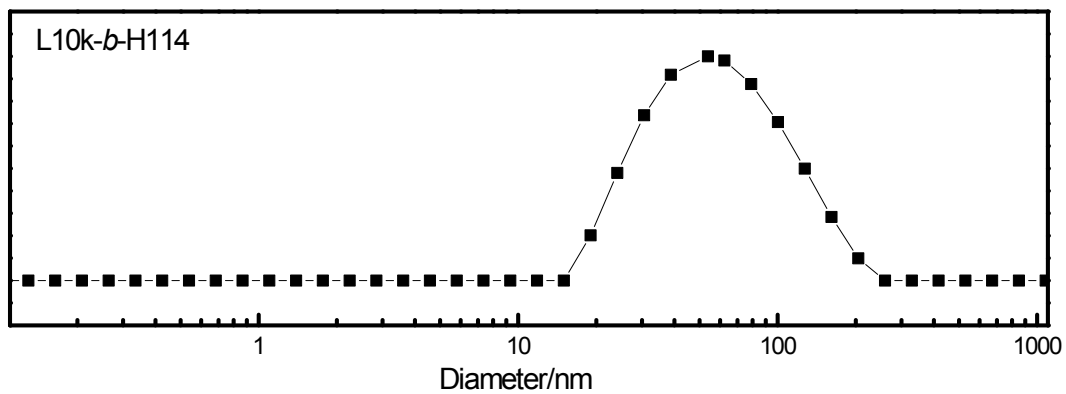
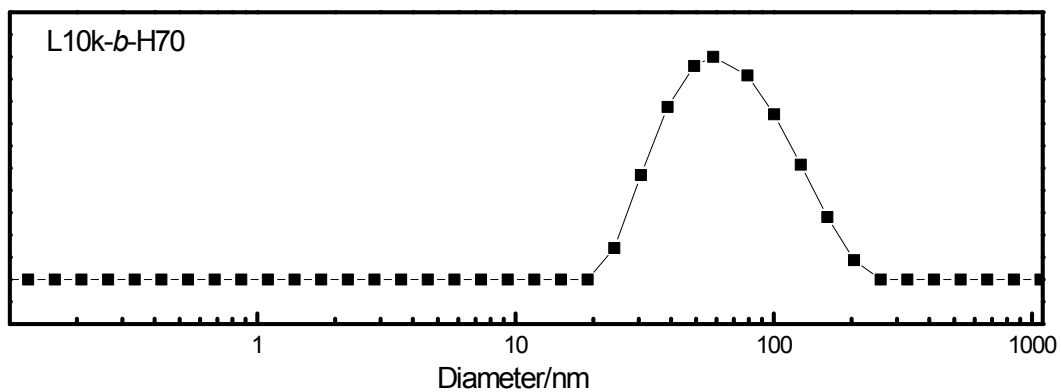
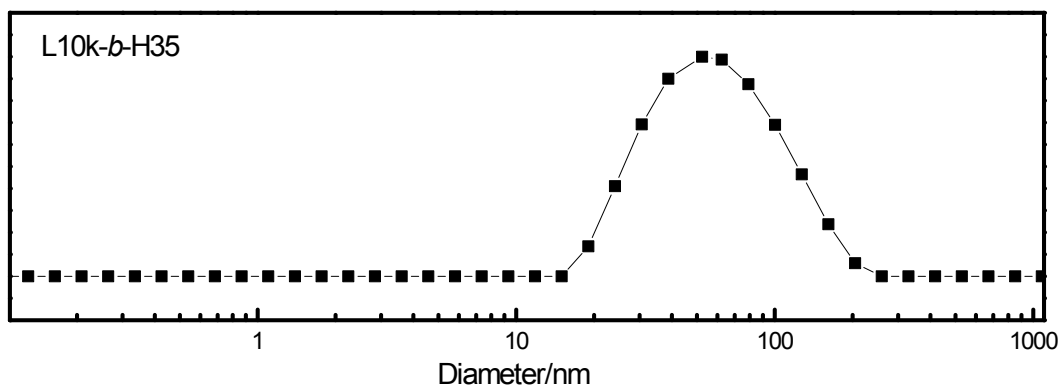
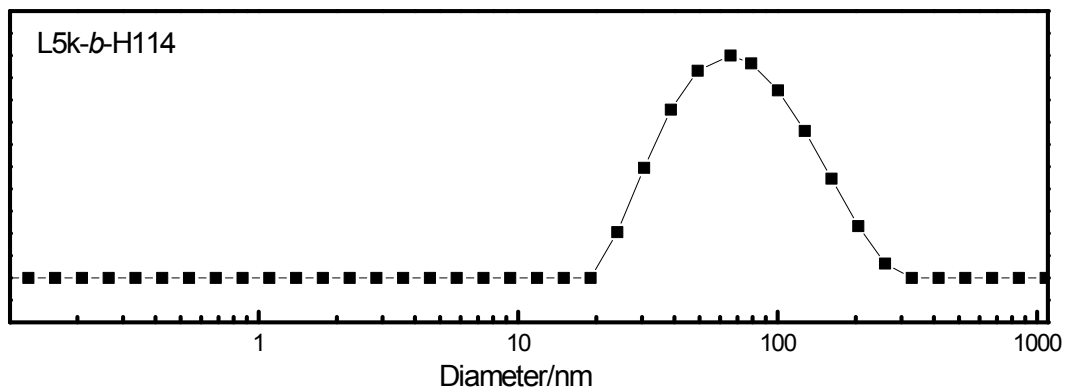


Fig. S3 GPC elution curves of PDLLA_{5k}, PDLLA_{10k} and PDLLA_{20k}.





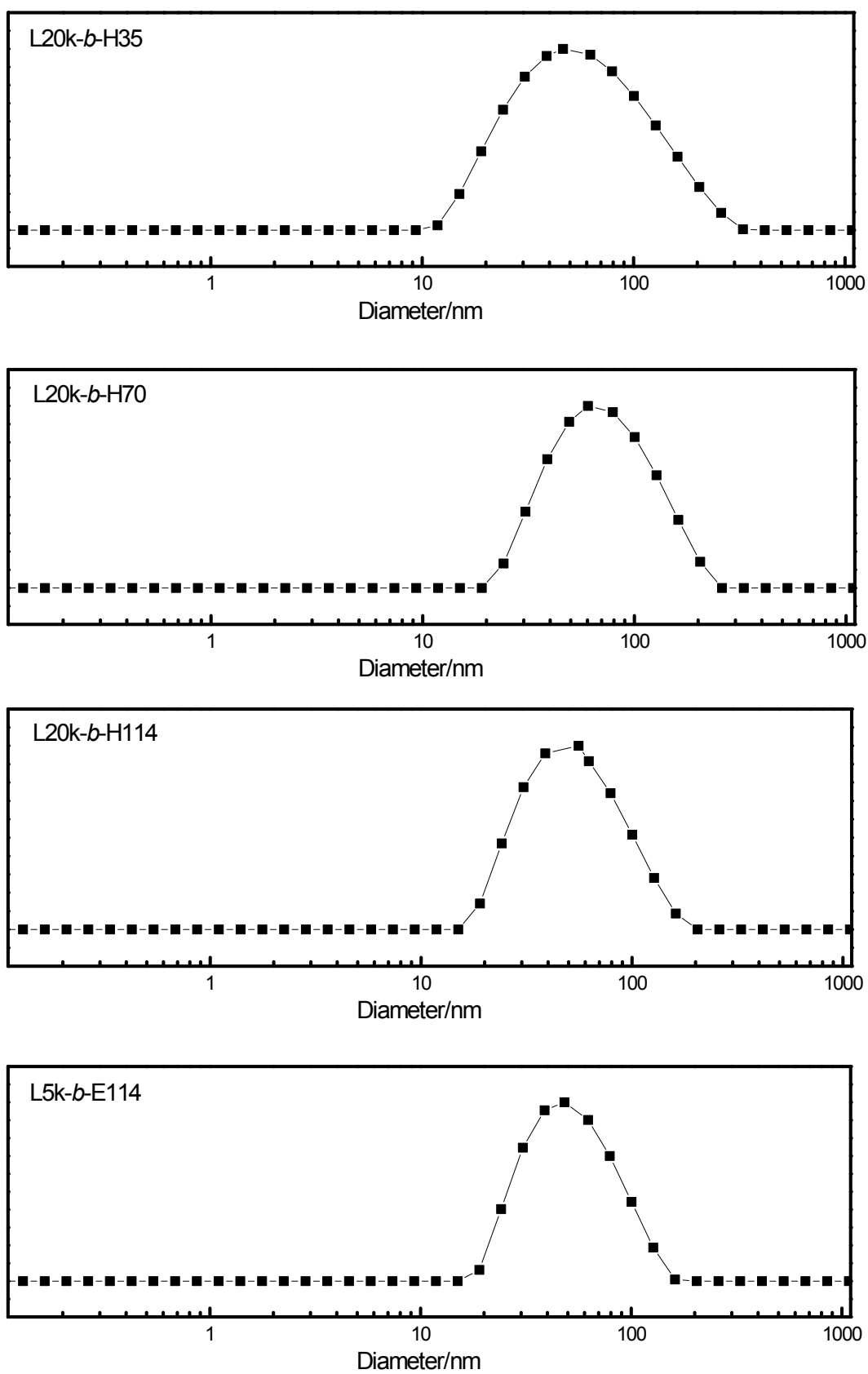


Fig. S4. The size distribution curves of all nanoparticles except for L5k-*b*-H35.

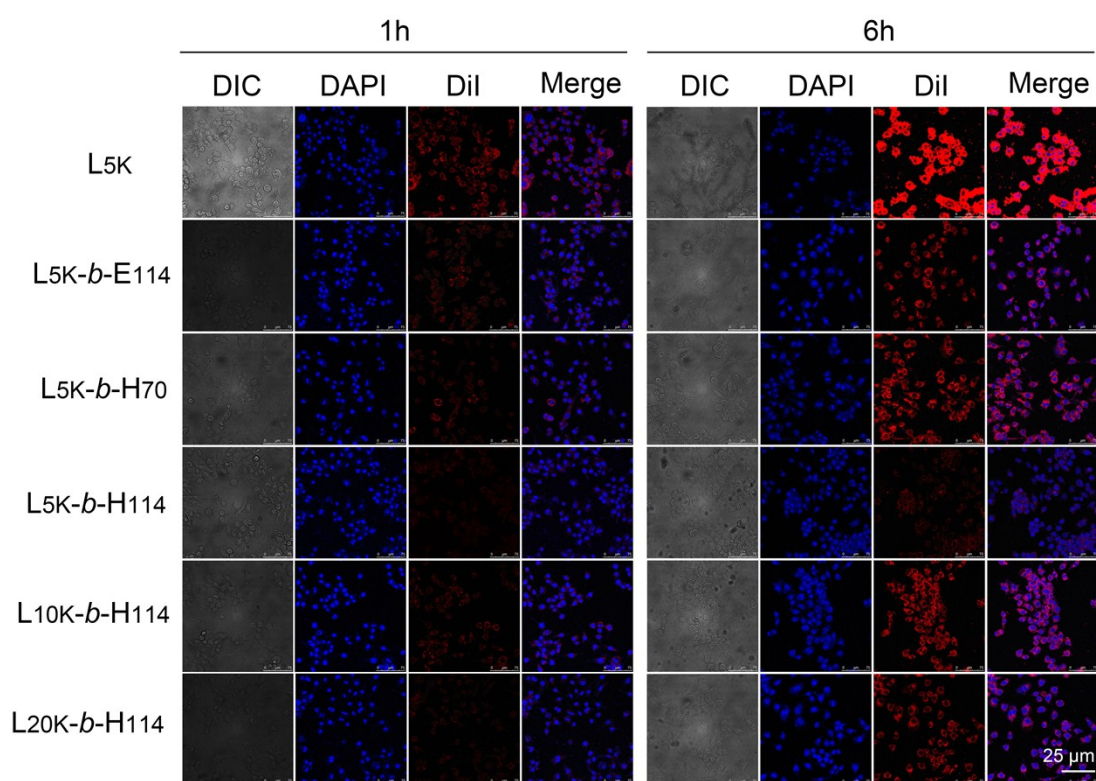
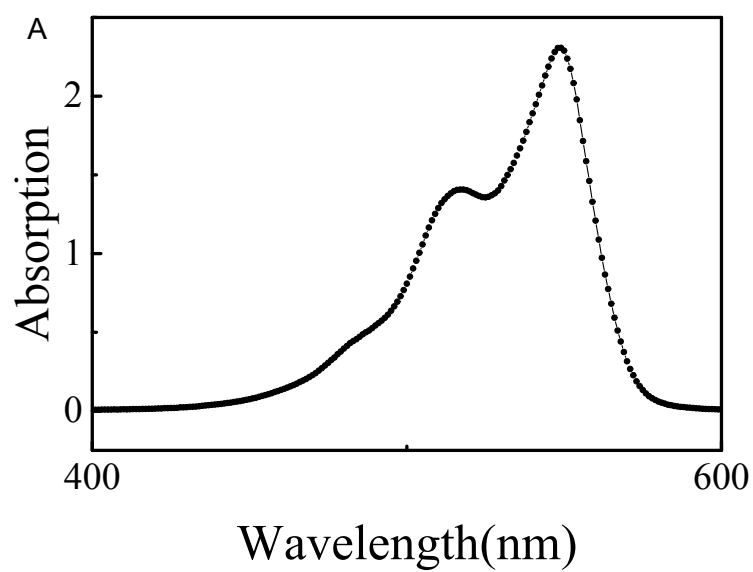


Fig. S5. The CLSM images of cellular uptake of various nanoparticles by macrophages.



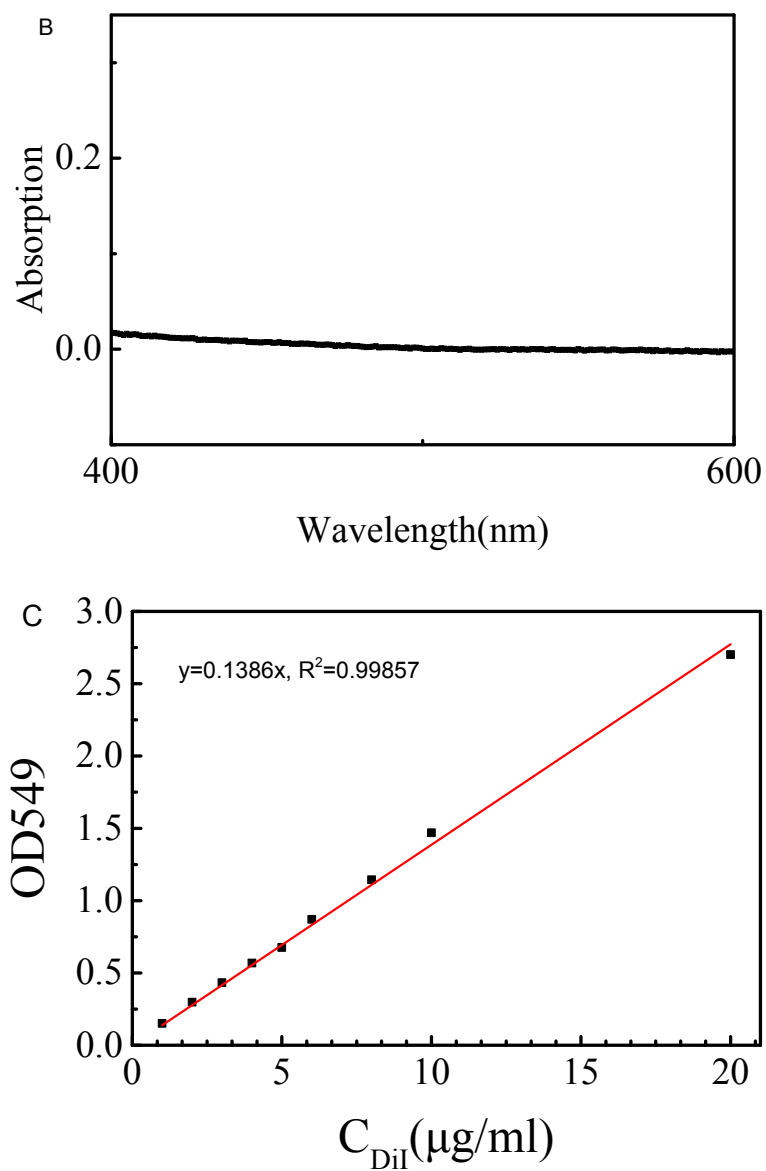


Fig. S6. The UV-vis adsorption spectrum of Dil (A) and blank micelles (B). The relationship between the absorbance of Dil and its concentration.

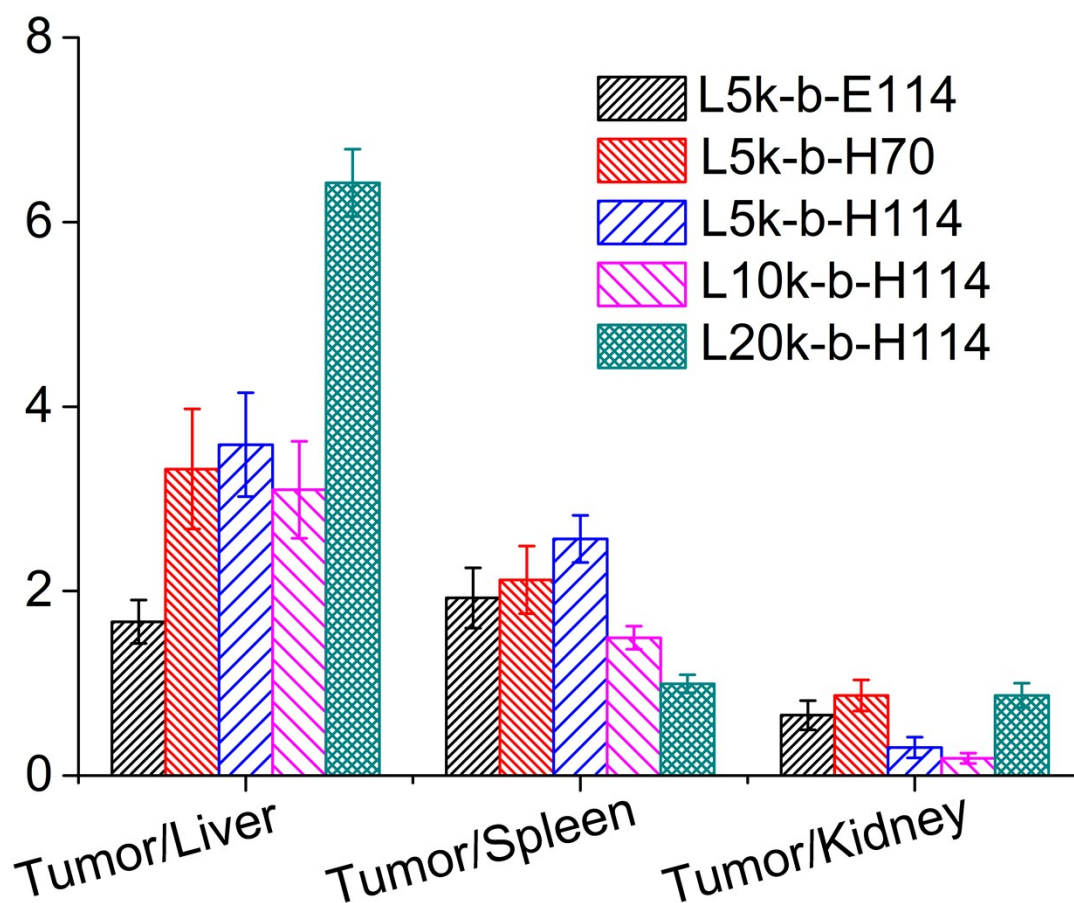


Fig. S7. The histogram of tumor to normal organ fluorescent intensity ratio.

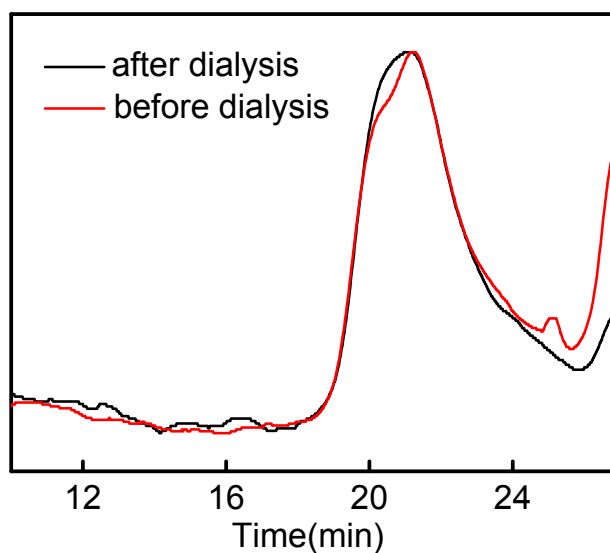


Fig. S8. The GPC elution curves of PEG-b-PDLLA block copolymers before and after the dialysis in hot water (40 °C, 96 h).