Electronic Supplementary Information

Rational design of InP quantum dot based theranostic nanoprobes for cancer: in vitro and in vivo applications

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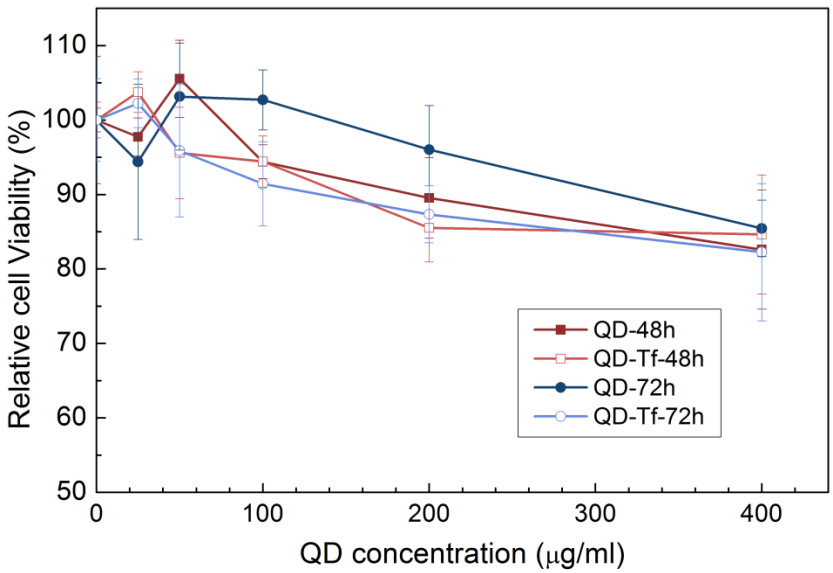

Figure S1. Relative cell viability evaluation of Panc-1 cells treated with InP/ZnS QDs conjugated with (QD) or without (QD-Tf) transferrin 48 and72hours post treatment.

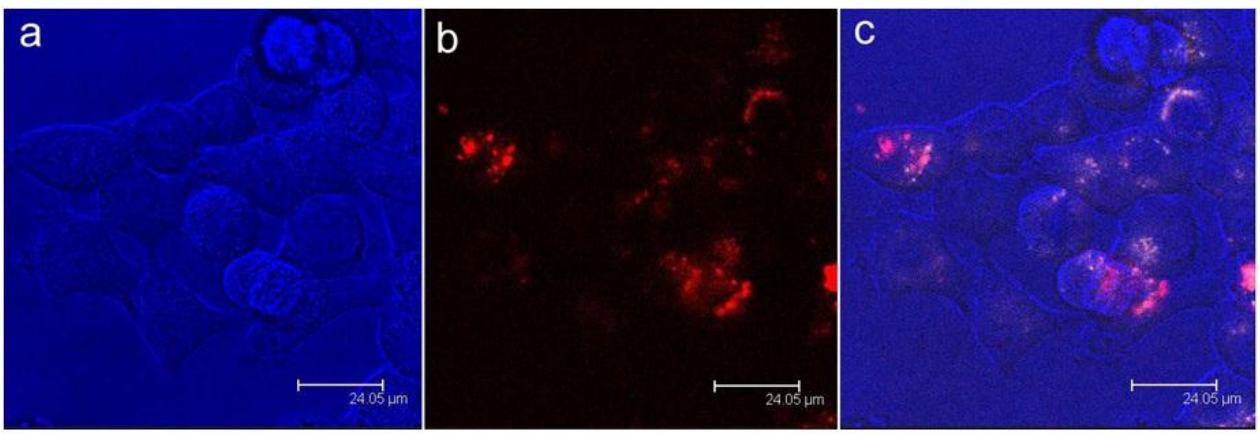

Figure S2. Confocal microscopy image of live Panc-1 cells treated with anti-Claudin 4 conjugated InP/ZnSnanoprobes. (a) transmission, (b) fluorescent signal from InP/ZnS QDs and (c) overlay.

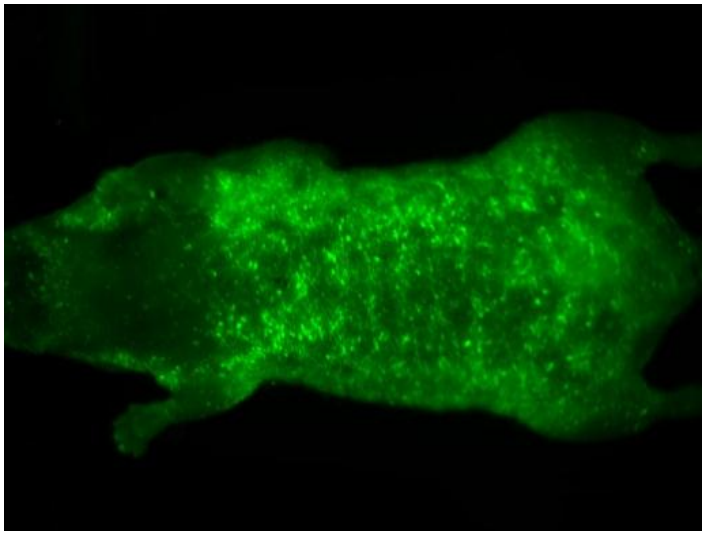

Figure S3. In vivo fluorescent image of InP/ZnS theranostic nanoprobe treated tumor bearing mouse. Since the penetration depth of the blue excitation is rather shallow, fluorescent signals from the InP/ZnS nanoprobes in the organs could hardly be detected.

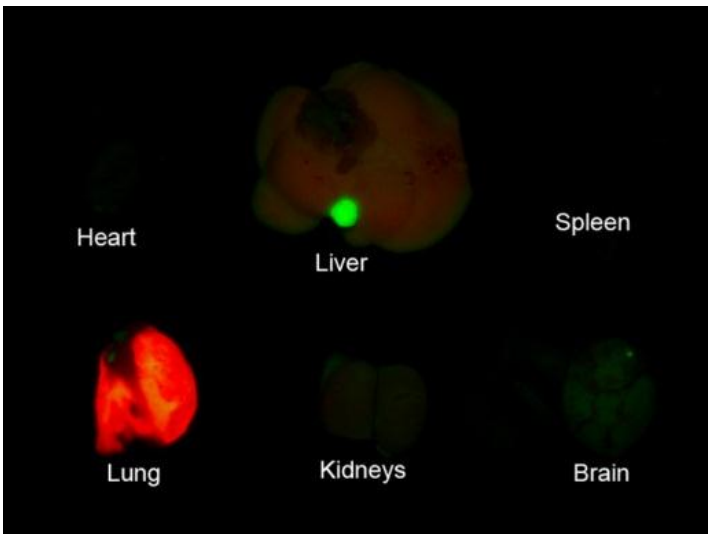

Figure S4. Fluorescent image of the major organs dissected, showing the nanoprobes accumulated mainly in the liver and lung after 15 hours of circulation.