

Supplementary Information

Modulation of cell uptake and cytotoxicity by nanoparticles of various physicochemical properties after humic acid adsorption†

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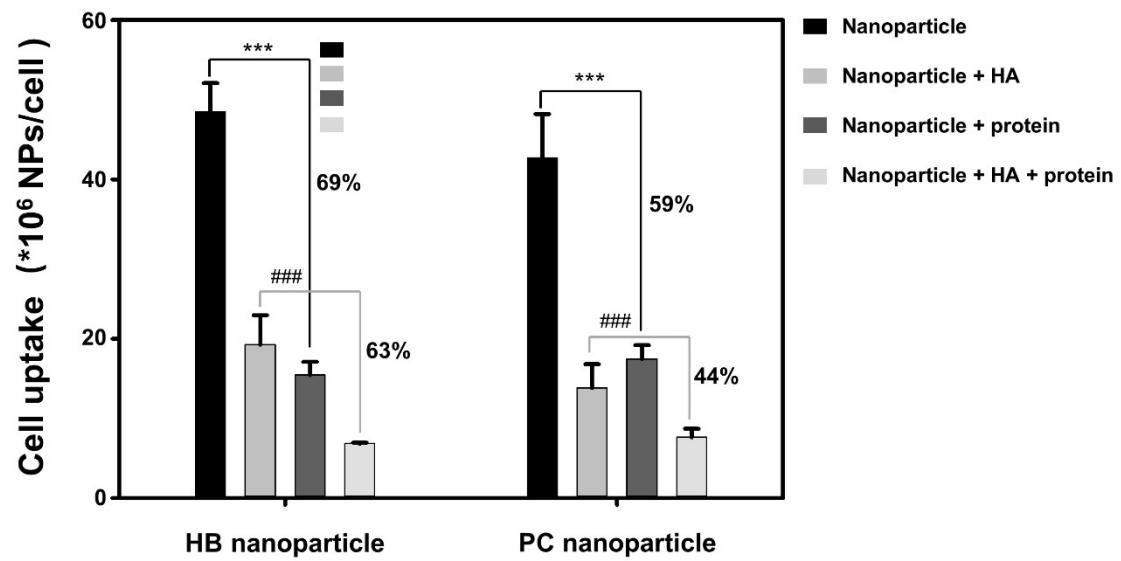


Figure S1. Cell uptake of HB and PC nanoparticles as affected by HA and protein adsorption. The nanoparticle concentration was fixed at 10 $\mu\text{g/mL}$. *** $P < 0.001$, ### $P < 0.001$.

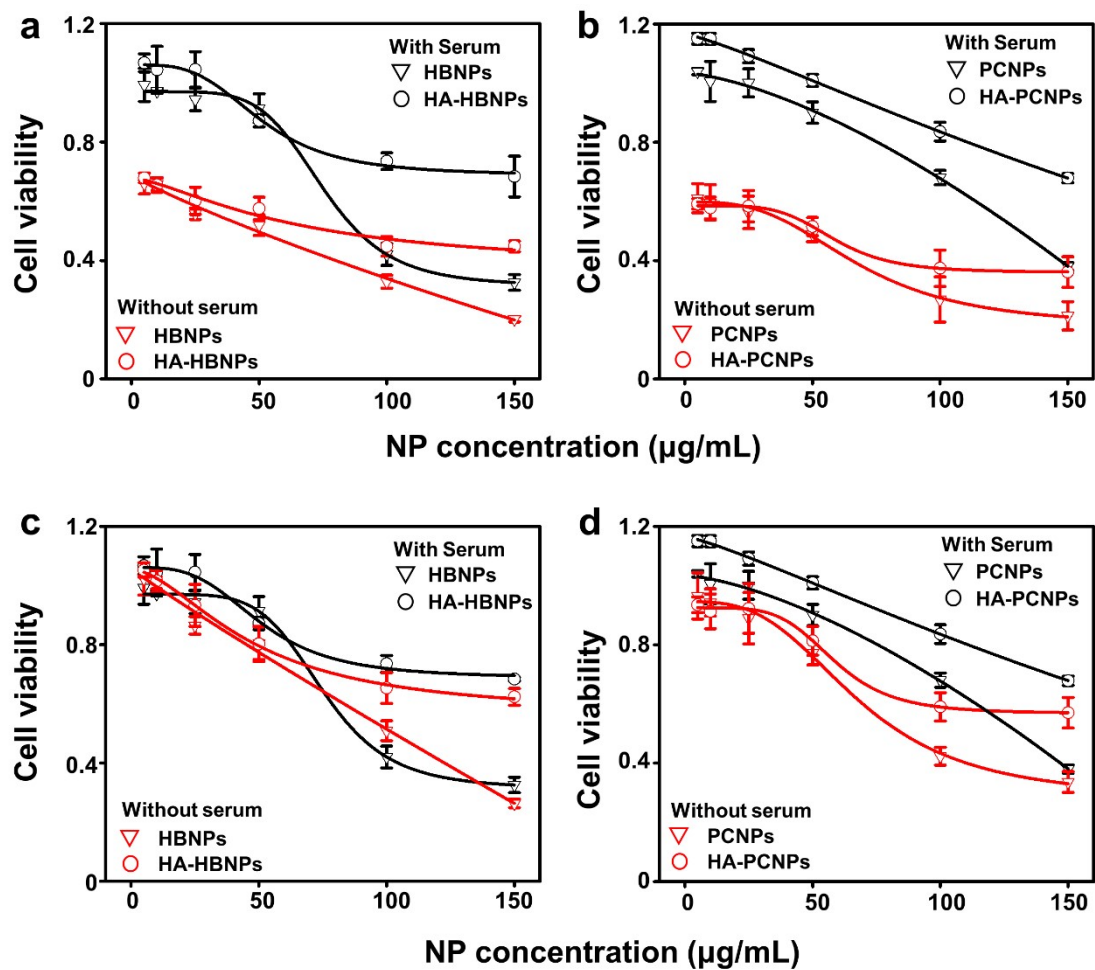


Figure S2. Cytotoxicity of HB and PC nanoparticles influenced by HA and protein adsorption. Cell viability was measured as a function of concentration of HB (a, c) and PC (b, d) nanoparticles with and without HA adsorption. Cell experiments were performed using culture medium with and without serum. The nanoparticle concentration was fixed at 50 $\mu\text{g/mL}$. To elucidate the role of serum proteins in cytotoxicity induction of nanoparticles, each group of data in c and d was rescaled using that at zero nanoparticle concentration as the control.