

**Supplementary information: Monoclonal antibody functionalized, and L-lysine  $\alpha$ -oxidase loaded PEGylated-chitosan nanoparticle for HER2/neu targeted breast cancer therapy**

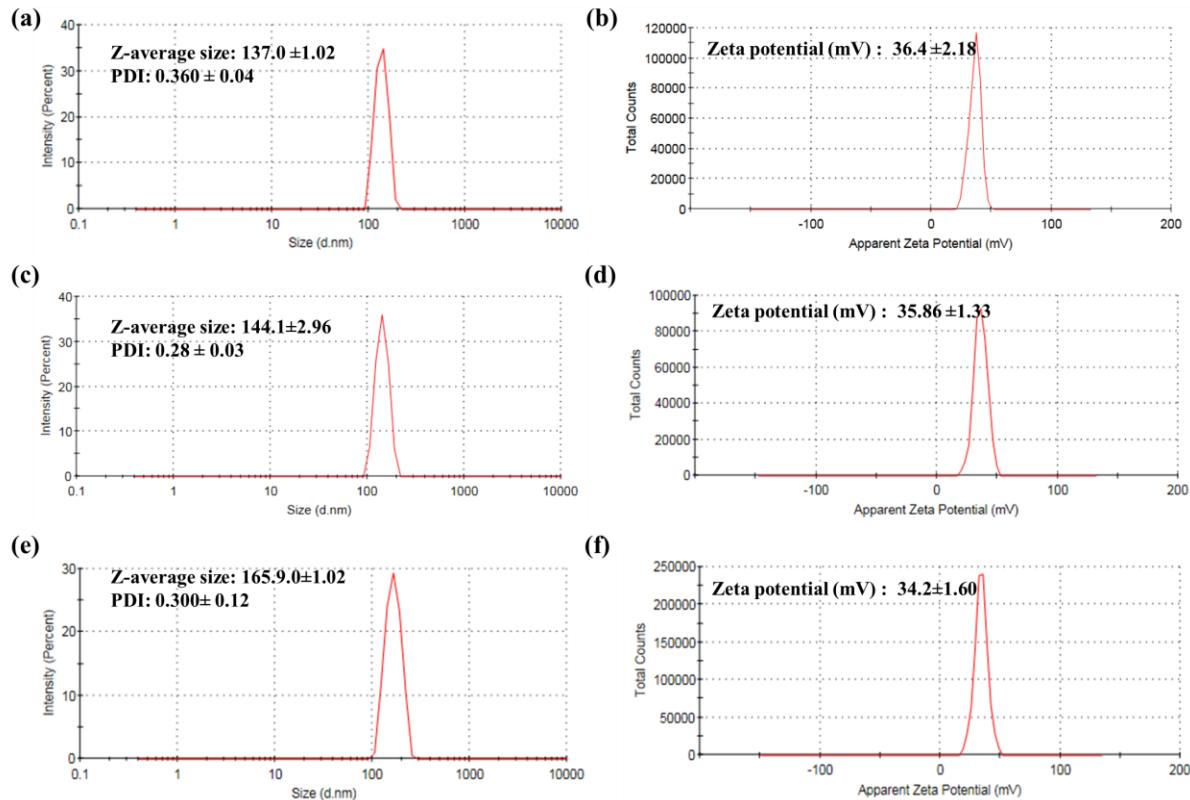


Fig.S1. Determination of size (a, c, e) and zeta potential (b, d, f) of the nanoparticles. Z-average size and zeta potential of CS-LO NPs (a, b), CS-LO-PEG NPs (c, d) (b) and CS-LO-PEG-HER NPs (e, f). where CS-chitosan, LO- L-lysine  $\alpha$ -oxidase, PEG-Polyethylene glycol 600, HER-Herceptin (Trastuzumab).

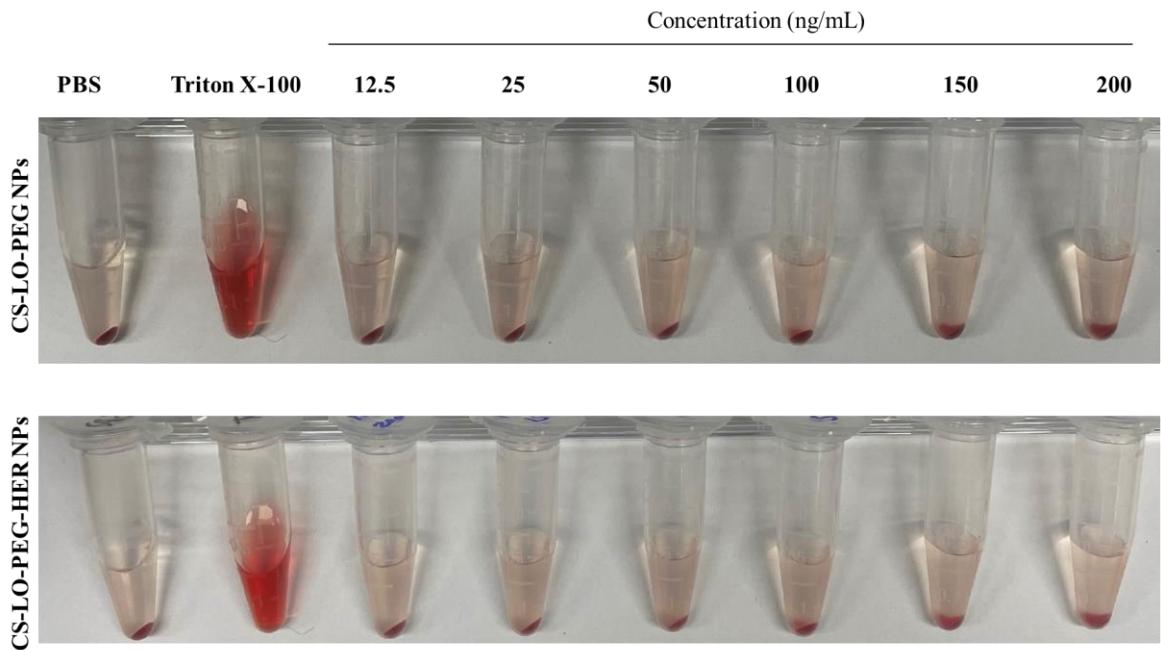


Fig. S2. Pictorial visualization of hemolysis activity of the nanoparticles CS-LO-PEG NPs and CS-LO PEG-HER NPs.