Supplementary Information for

Magnetic and pH Sensitive Drug Delivery System through NCA Chemistry for Tumor Targeting

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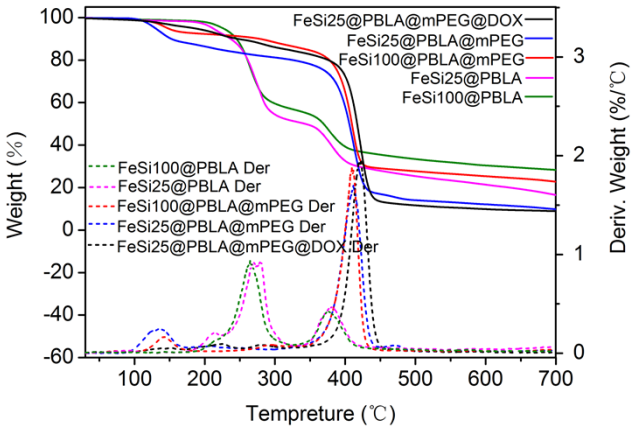

Figure S1. TGA curves of FeSi100@PBLA, FeSi100@PBLA@mPEG, FeSi25@PBLA, FeSi25@PBLA@mPEG and FeSi25@PBLA@mPEG@DOX nanoparticles, primary axis = whole lines showing the weight loss as a function of temperature; secondary axis = dashes lines showing the derivative of the weight loss as a function of temperature. Weight loss below 120 °C are attributed to water on the surface and intercalated within the layers of polymers. A second loss at ca. 225 °C and 280 °C are attributed to the beginning of the decomposition of the intercalated doxorubicin. The weight loss at ca. 420 °C attributed to the final thermal decomposition of doxorubicin and the polymers.

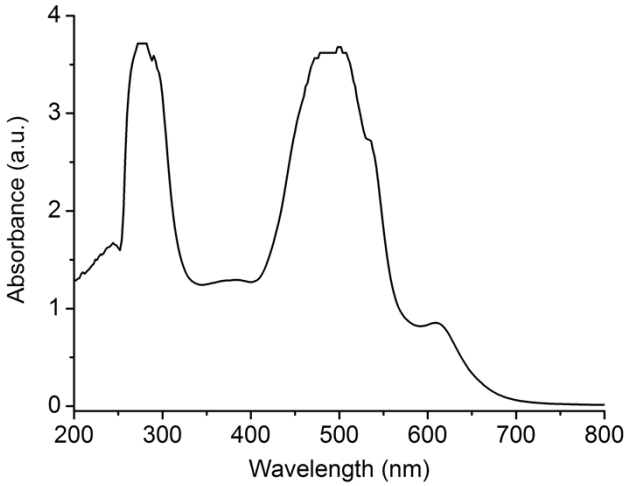

Figure S2. The UV-absorbance of FeSi25@PBLA@mPEG@DOX nanoparticles

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