

Electronic Supplementary Information

A new colorimetric strategy for monitoring caspase 3 activity by HRP-mimicking DNzyme-peptide conjugates

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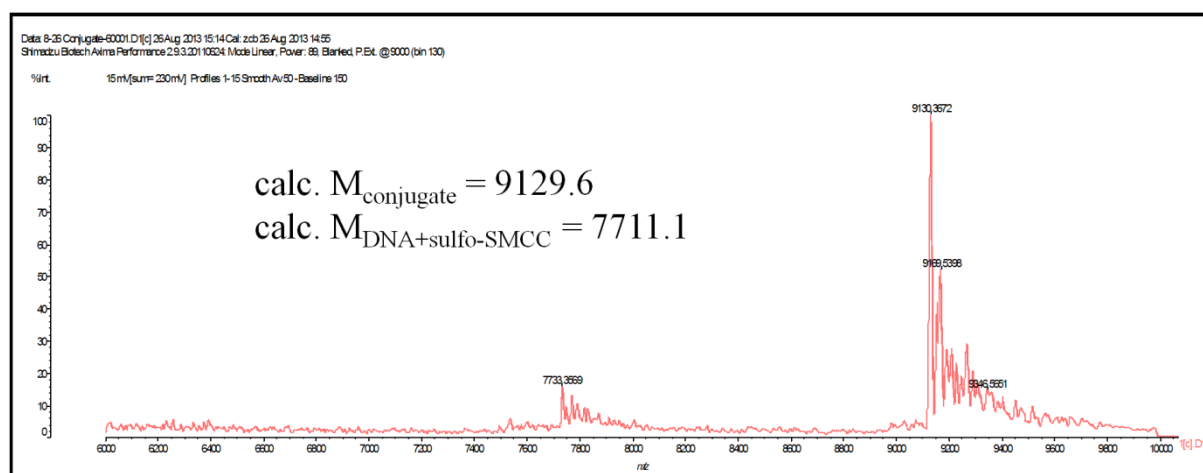


Figure S1. MALDI-TOF MS of the DNzyme-peptide conjugates.

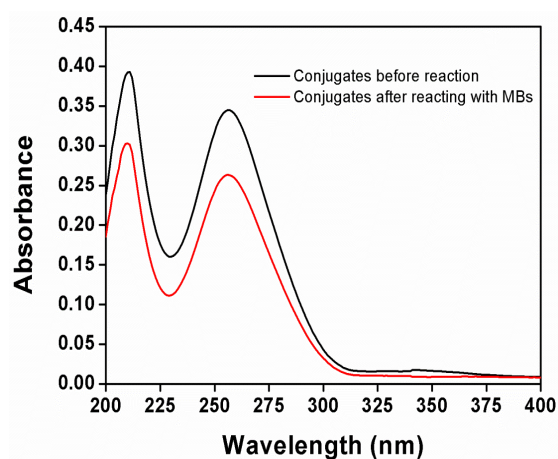


Figure S2. The UV-Vis spectra of conjugates reacted with MBs. (black line) before reaction, (red line) after reaction.

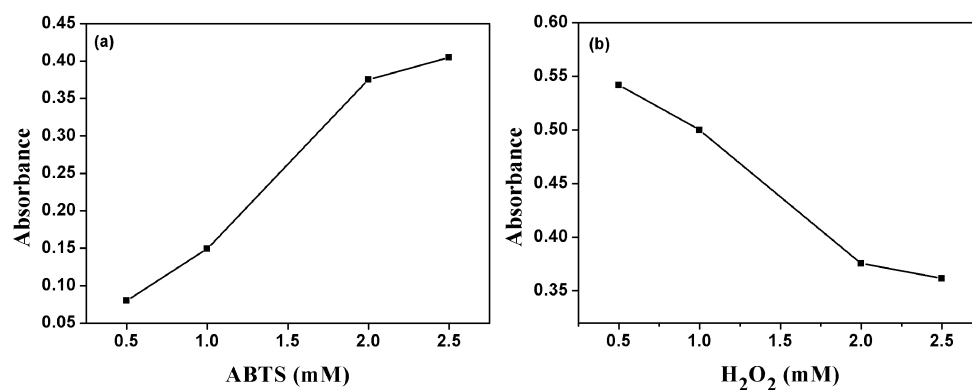


Figure S3. Condition optimization. (a) Effect of ABTS concentration, H₂O₂ (2 mM), caspase 3 (50 nM). (b) Effect of H₂O₂ concentration, ABTS (2 mM), caspase 3 (50 nM).

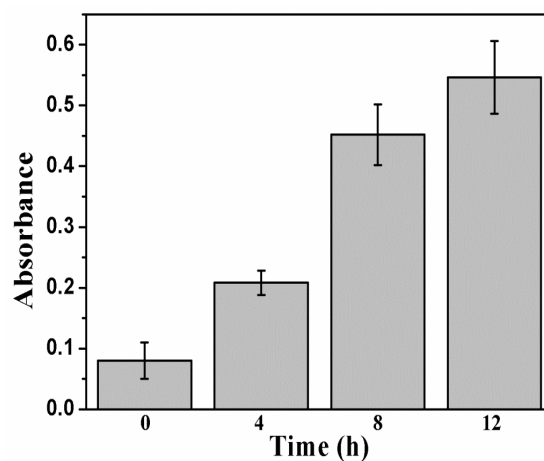


Figure S4. Absorbance at 405 nm of apoptosis induced HeLa cell lysates using a commercial caspase 3 cellular activity assay kit. HeLa cells were incubated with apoptosis inducer for 0 h, 4 h, 8 h, 12 h, respectively.