

Supplementary Information

Label-free and real-time monitoring of trypsin activity in living cells by quantum-dot-based fluorescent sensors

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Supporting Results

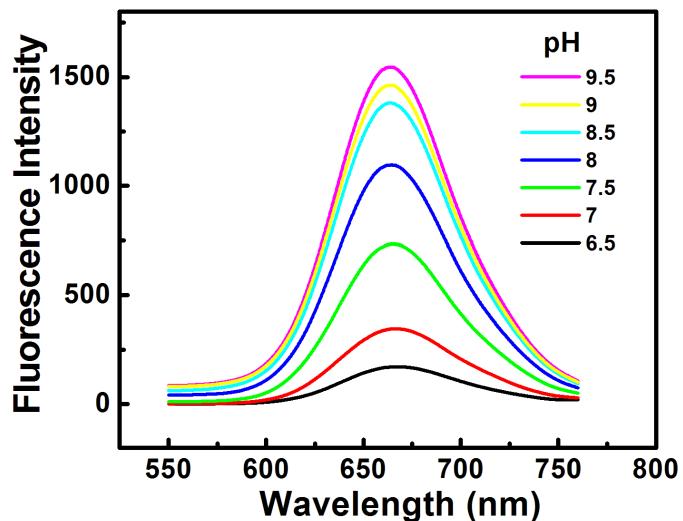


Fig. S1 The fluorescence emission spectrum of GSH-CdTe QDs (53.4 nM) at different pH values.

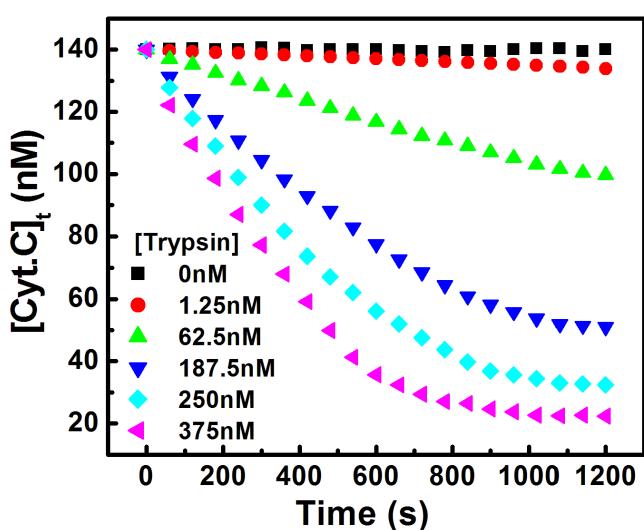


Fig. S2 The concentration of cyt.c during the trypsin assay as a function of digestion time at different concentrations of trypsin. Solution conditions: the complex of QDs (53.4 nM) and cyt.c (140 nM) was incubated with different trypsin concentrations in 50 mM Tris-HCl buffer (pH 8.5) at 37 °C.

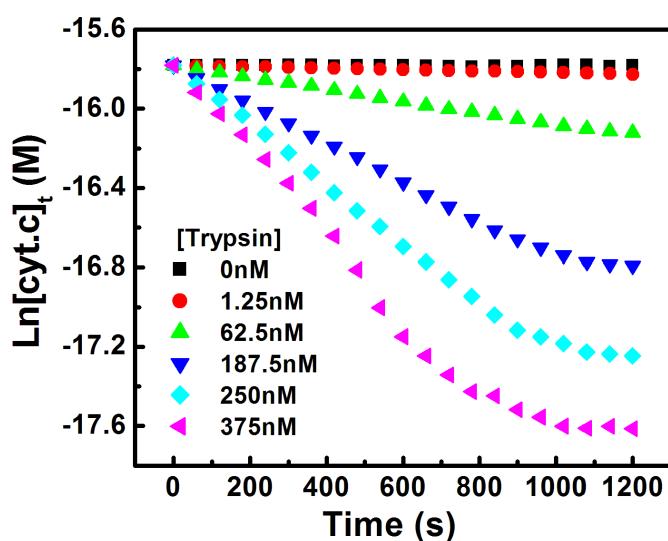


Fig. S3 Natural logarithm of [cyt.c]_t as a function of digestion time at different concentrations of trypsin. Solution conditions: the complex of QDs (53.4 nM) and cyt.c (140 nM) was incubated with different trypsin concentrations in 50 mM Tris-HCl buffer (pH 8.5) at 37 °C.