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Multiple fluorescence response behaviours to proteins/bacteria and selective antibacterial activity of cetylpyridinium chloride (CPC)-based cationic carbon dots

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Supporting information

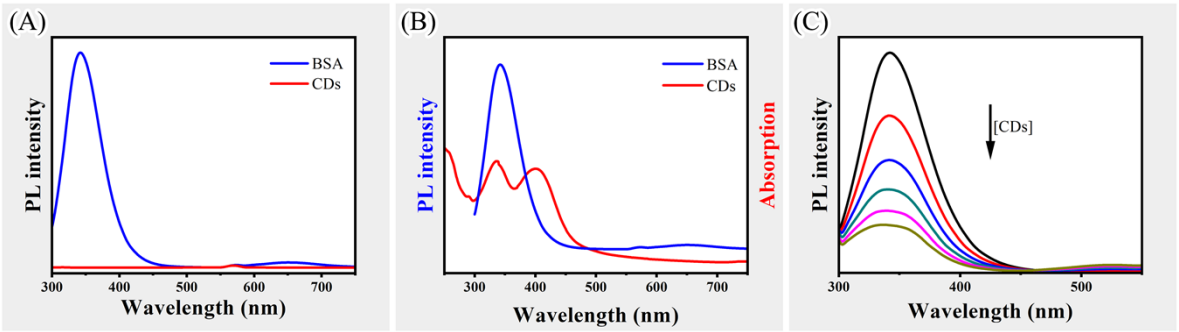

Figure S1 Fluorescence spectrum of BSA or CDs exciting at 284 nm (A). UV-vis spectrum of CDs and fluorescence emission spectrum of the BSA (B). Fluorescence changes of BSA when interacting with various amounts of CDs (C).

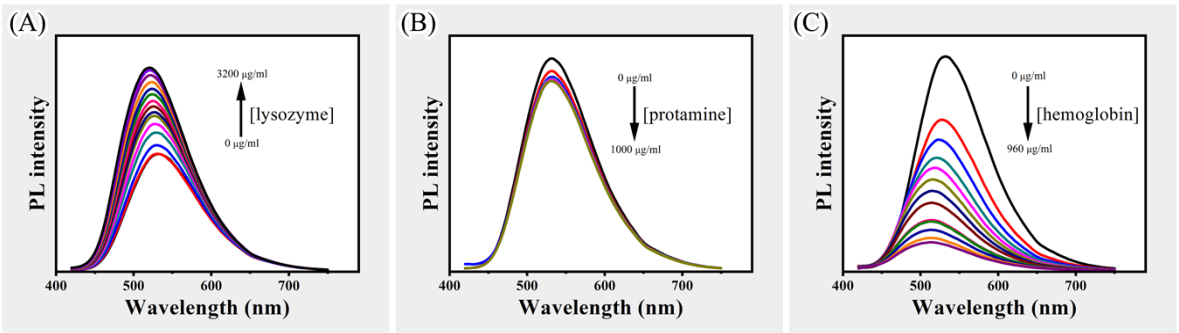

Figure S2 Fluorescence changes of CDs when interacting different concentrations of lysozyme (A), protoamine (B) and haemoglobin (C).

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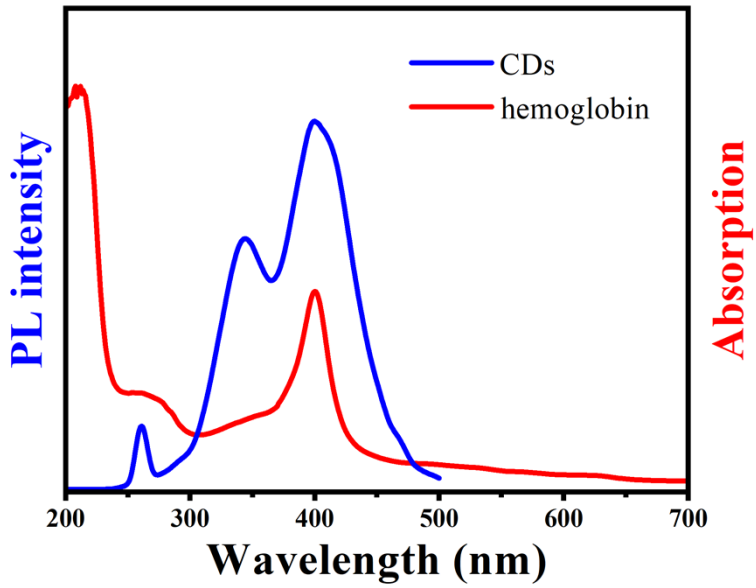

Figure S3 PL excitation spectrum of CPC-based CDs and UV-vis spectrum of hemoglobin.