Supplementary Info

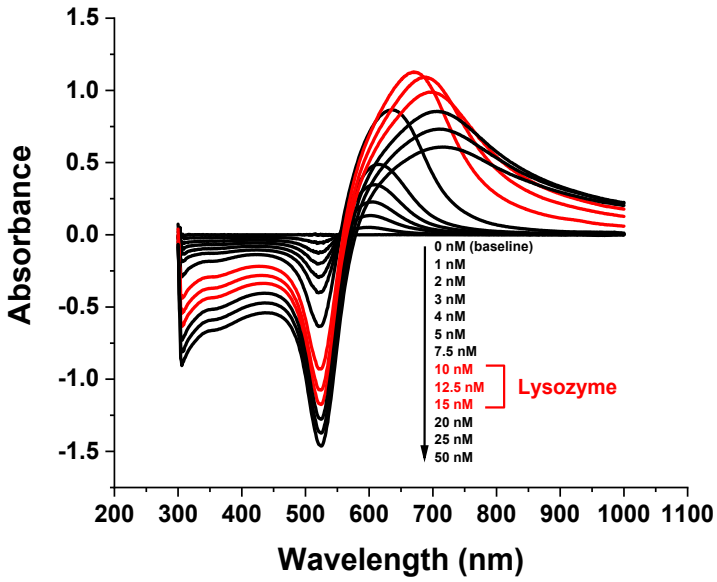

Figure S1: Absorbance spectra of AuNPs in 20 mM Mops in the presence of increasing concentration of BSA. The red spectra are those of lysozyme, shown to illustrate concentration linearity.

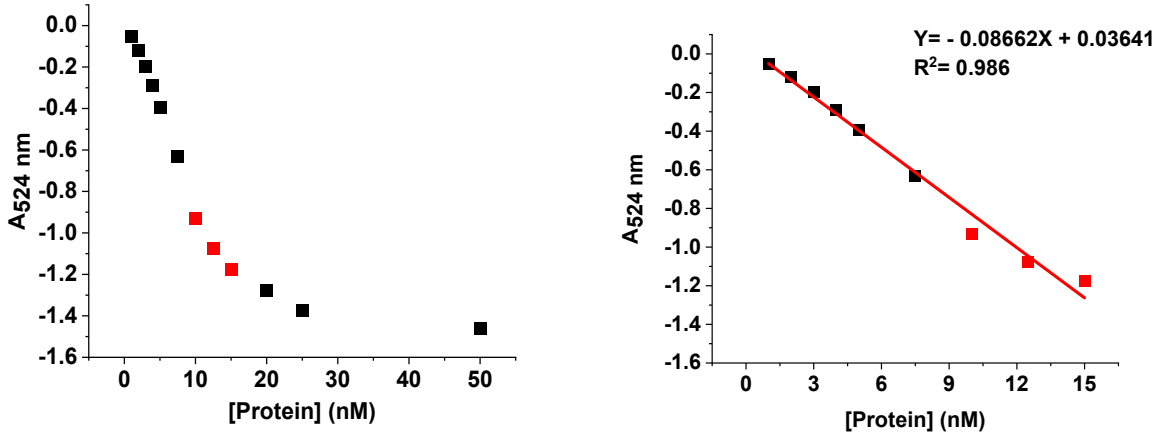

Figure S1: Plot of the absorbance change at 524 nm ($A_{524\,nm}$) as a function of BSA (black squares) and lysozyme (red squares) concentrations (left panel). The right panel displays the initial linear portion of the plot.

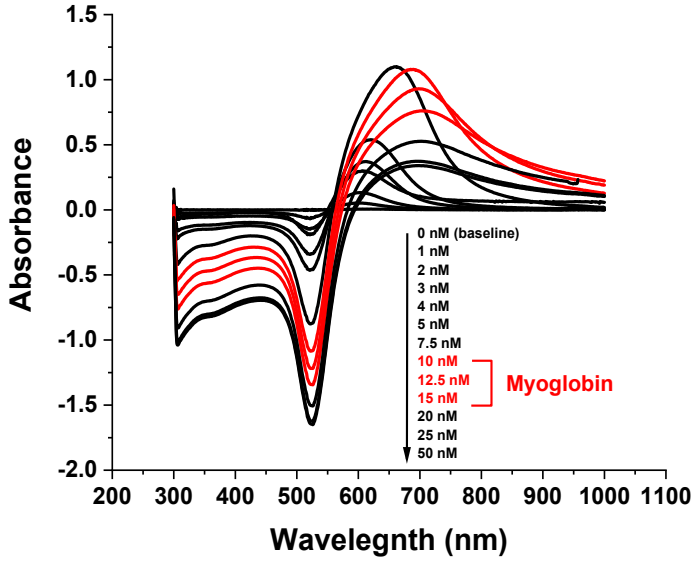

Figure S2: Absorbance spectra of AuNPs in 20 mM Mops in the presence of increasing concentration of BSA. The red spectra are those of myoglobin, shown to illustrate concentration linearity.

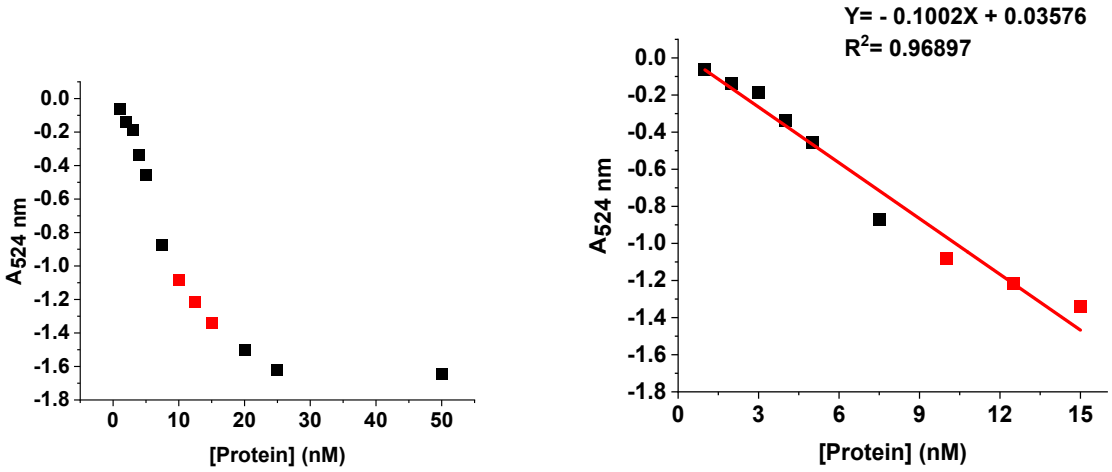

Figure S2: Plot of the absorbance change at 524 nm ($A_{524\,nm}$) as a function of BSA (black squares) and myoglobin (red squares) concentrations (left panel). The right panel displays the initial linear portion of the plot.

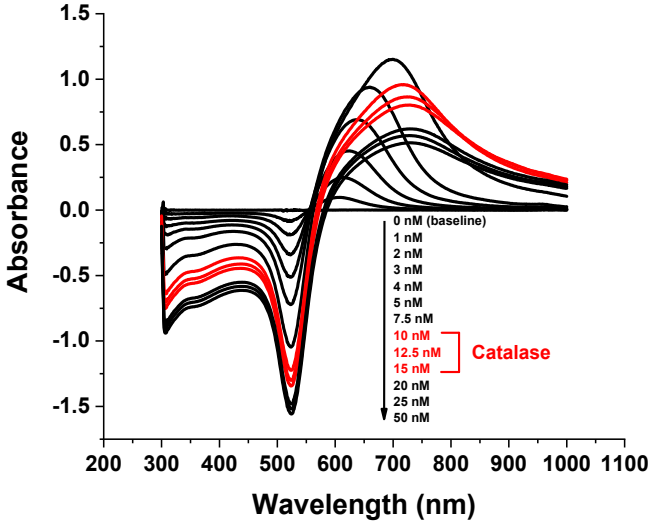

Figure S3: Absorbance spectra of AuNPs in 20 mM Mops in the presence of increasing concentration of BSA. The red spectra are those of catalase, shown to illustrate concentration linearity.

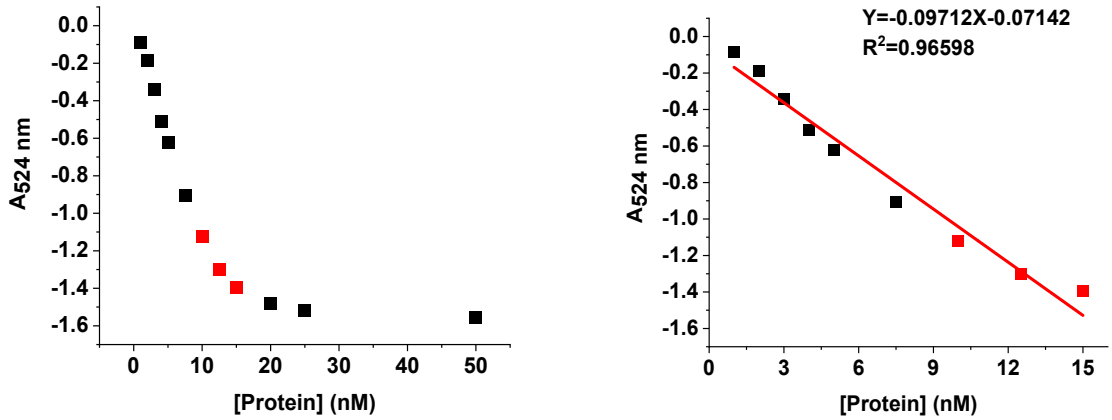

Figure S3: Plot of the absorbance change at 524 nm ($A_{524\,nm}$) as a function of BSA (black squares) and catalase (red squares) concentrations (left panel). The right panel displays the initial linear portion of the plot.

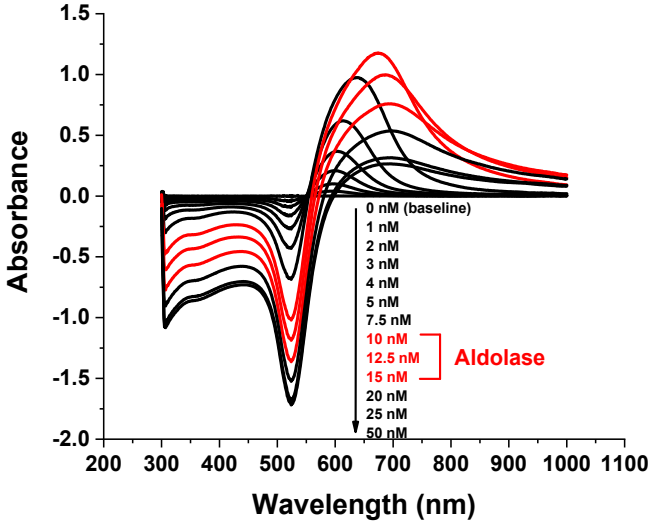

Figure S4: Absorbance spectra of AuNPs in 20 mM Mops in the presence of increasing concentration of BSA. The red spectra are those of aldolase, shown to illustrate concentration linearity.

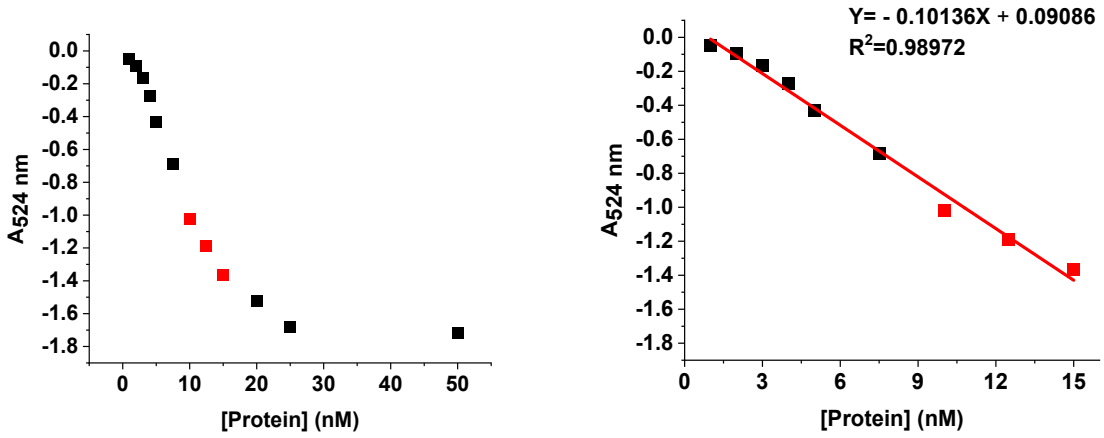

Figure S4: Plot of the absorbance change at 524 nm ($A_{524\,nm}$) as a function of BSA (black squares) and aldolase (red squares) concentrations (left panel). The right panel displays the initial linear portion of the plot.

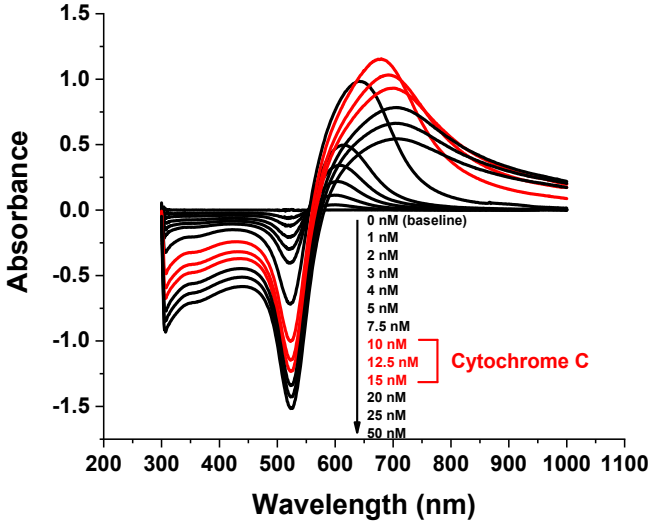

Figure S5: Absorbance spectra of AuNPs in 20 mM Mops in the presence of increasing concentration of BSA. The red spectra are those of cytochrome C, shown to illustrate concentration linearity.

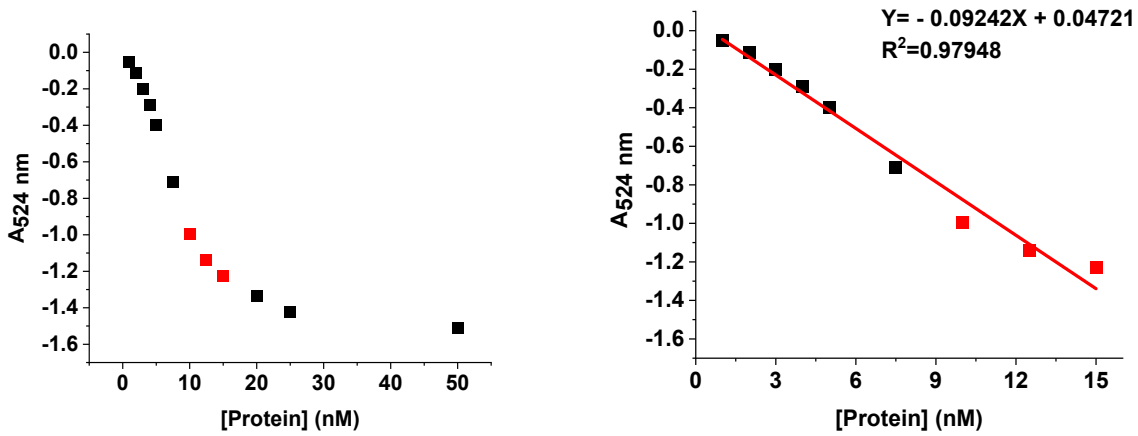

Figure S5: Plot of the absorbance change at 524 nm ($A_{524\,nm}$) as a function of BSA (black squares) and cytochrome C (red squares) concentrations (left panel). The right panel displays the initial linear portion of the plot.

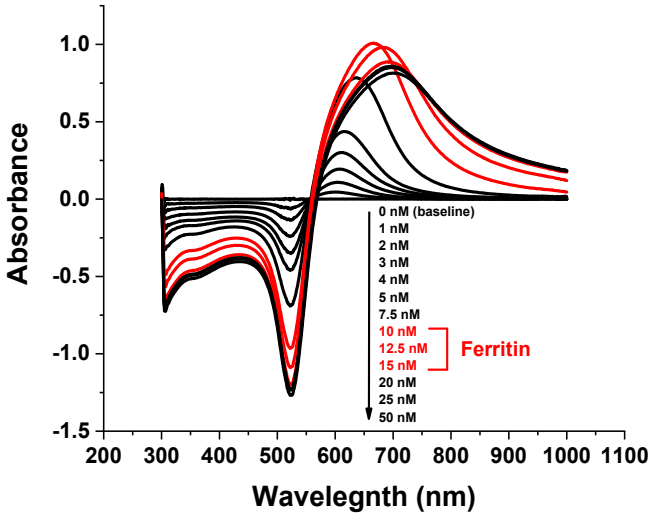

Figure S6: Absorbance spectra of AuNPs in 20 mM Mops in the presence of increasing concentration of BSA. The red spectra are those of ferritin, shown to illustrate concentration linearity.

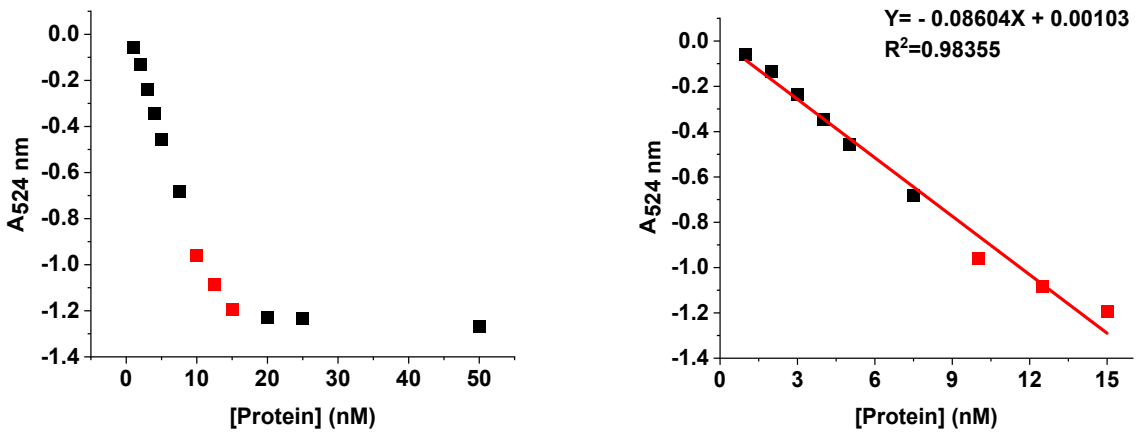

Figure S6: Plot of the absorbance change at 524 nm ($A_{524\ nm}$) as a function of BSA (black squares) and ferritin (red squares) concentrations (left panel). The right panel displays the initial linear portion of the plot.

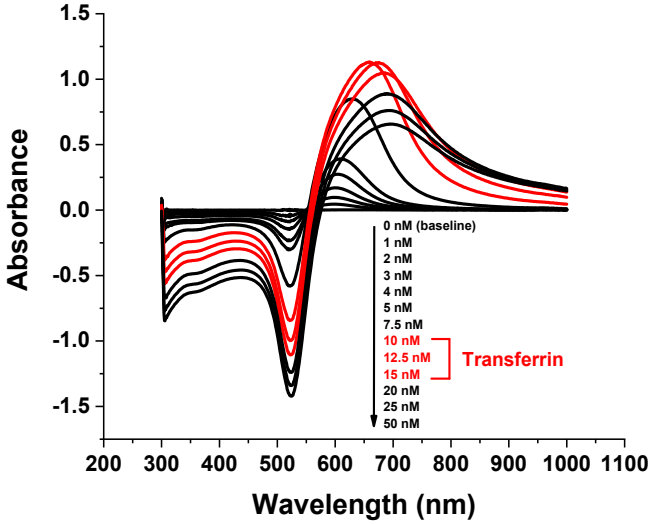

Figure S7: Absorbance spectra of AuNPs in 20 mM Mops in the presence of increasing concentration of BSA. The red spectra are those of transferrin, shown to illustrate concentration linearity.

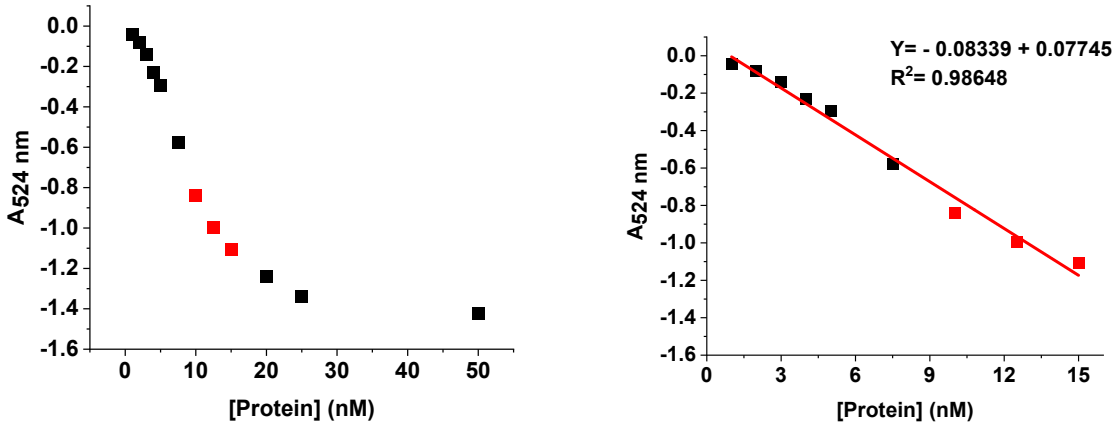

Figure S7: Plot of the absorbance change at 524 nm ($A_{524\,nm}$) as a function of BSA (black squares) and transferrin (red squares) concentrations (left panel). The right panel displays the initial linear portion of the plot.