

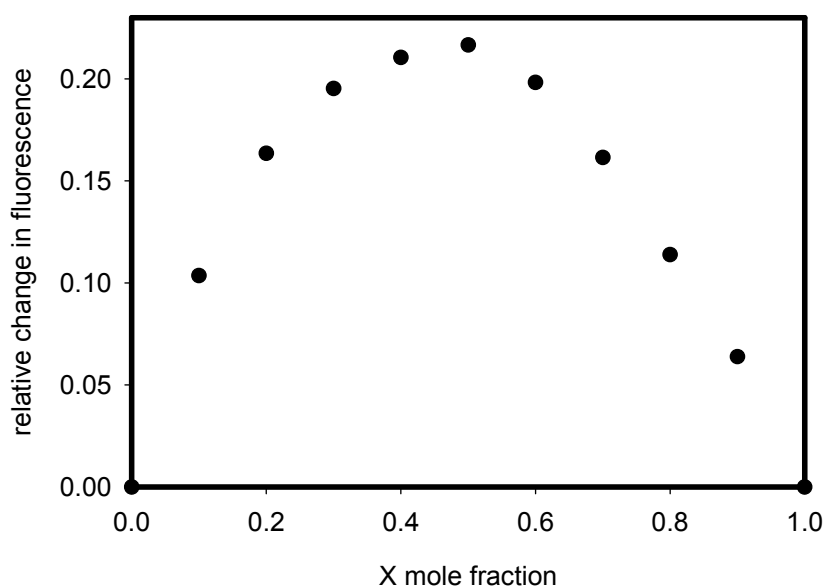
**Recognition and sensing of solvent exposed protein surfaces using
anthracene derived receptors**

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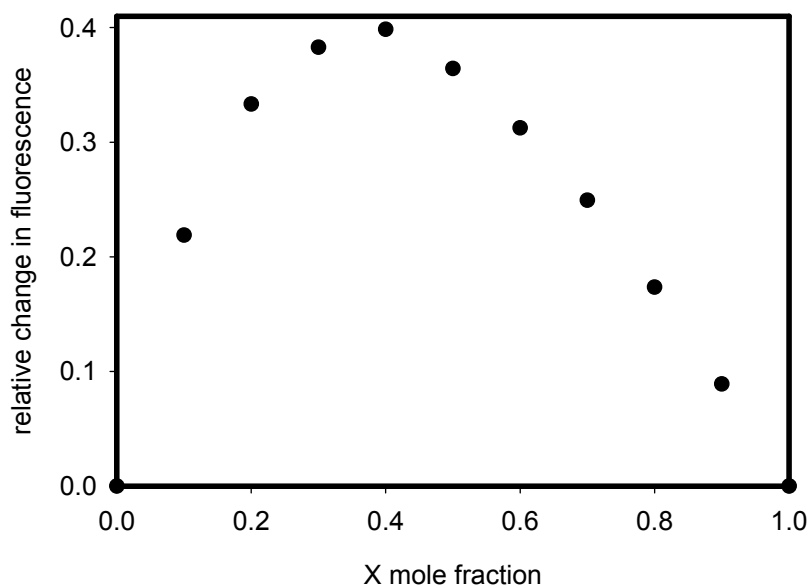
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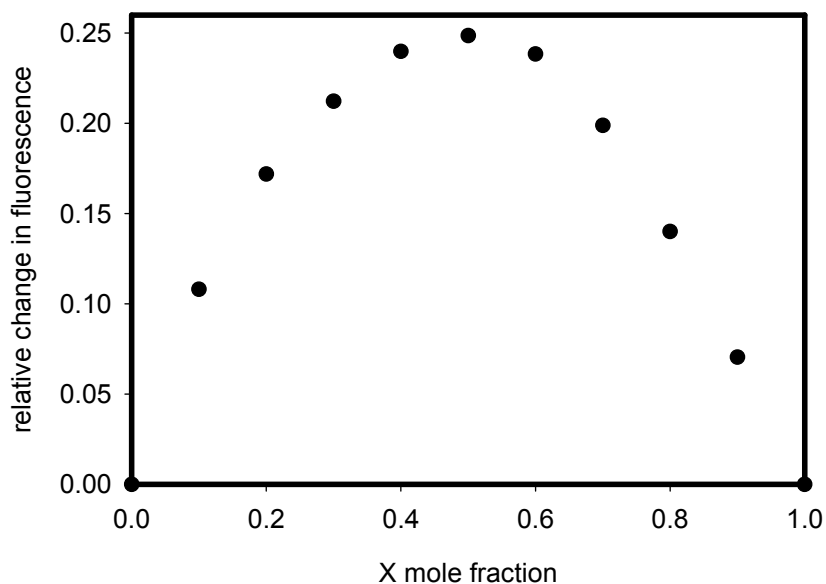
Supporting Information



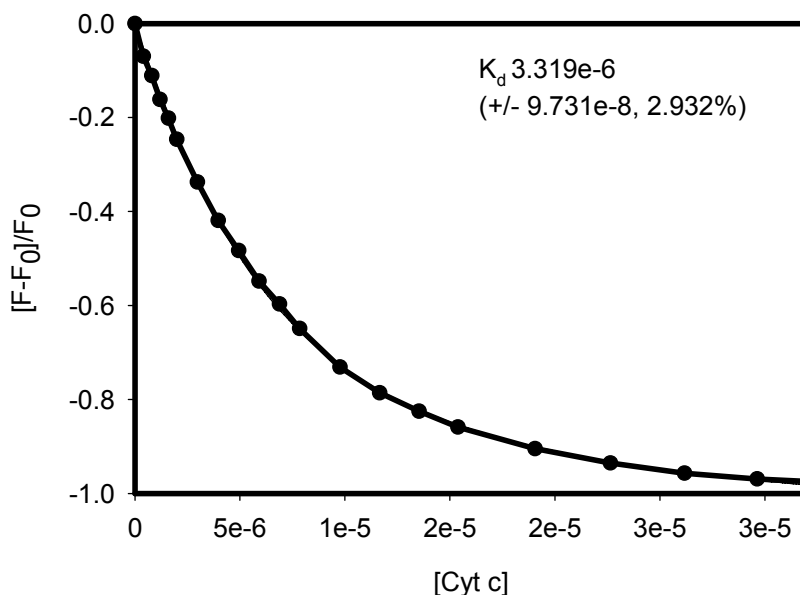
Job plot for binding of **1b** to Cytochrome *c*. Excitation wavelength was 330 nm; fluorescence emission was monitored at 401 nm as a function of the mole fraction of Cytochrome *c*. The total concentration of the two species was held constant at 20 μ M (298 K, pH 7.4 and 5mM phosphate buffer).



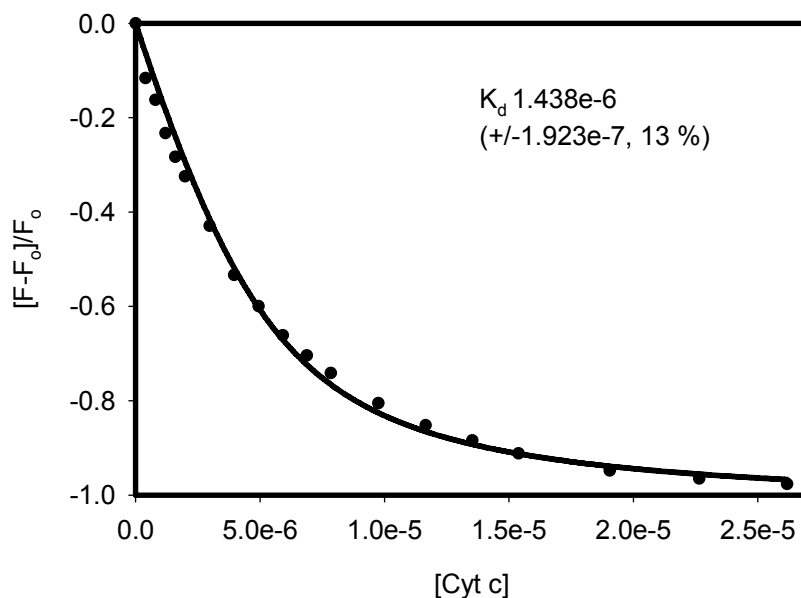
Job plot for binding of **1c** to Cytochrome *c*. Excitation wavelength was 330 nm; fluorescence emission was monitored at 401 nm as a function of the mole fraction of Cytochrome *c*. The total concentration of the two species was held constant at 10 μ M (298 K, pH 7.4 and 5mM phosphate buffer).



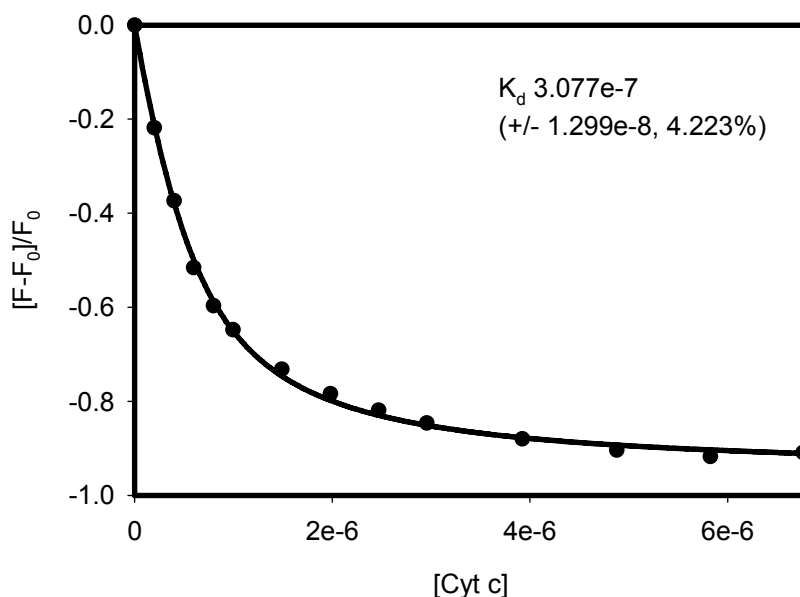
Job plot for binding of **1d** to Cytochrome *c*. Excitation wavelength was 330nm; fluorescence emission was monitored at 401 nm as a function of the mole fraction of Cytochrome *c*. The total concentration of the two species was held constant at 2 μ M (298 K, pH 7.4 and 5mM phosphate buffer).



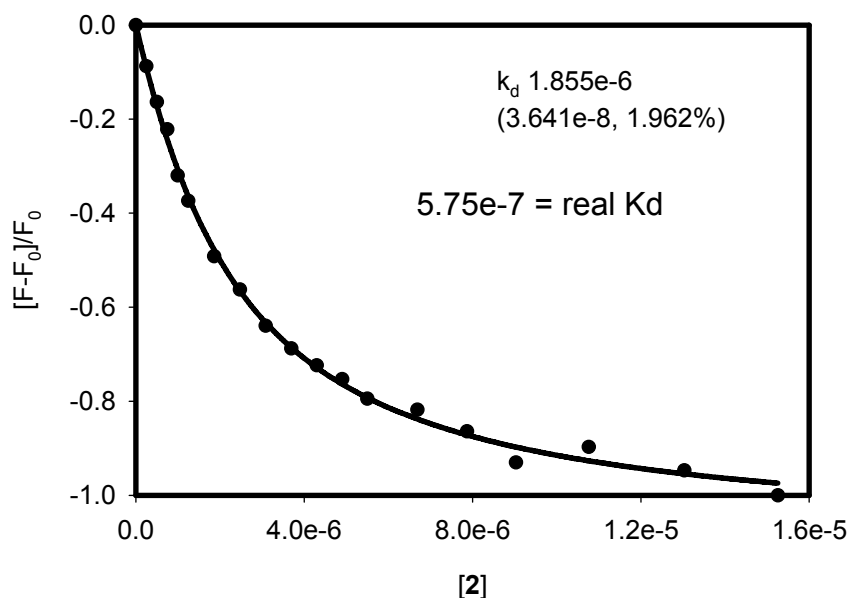
Fluorescence titration for the binding of 10 μ M **1b** to Cytochrome *c*. (298 K, pH 7.4, 5mM sodium phosphate buffer). Excitation wavelength was 330 nm; fluorescence was monitored at 401 nm. Fit as a 1:1 complex.



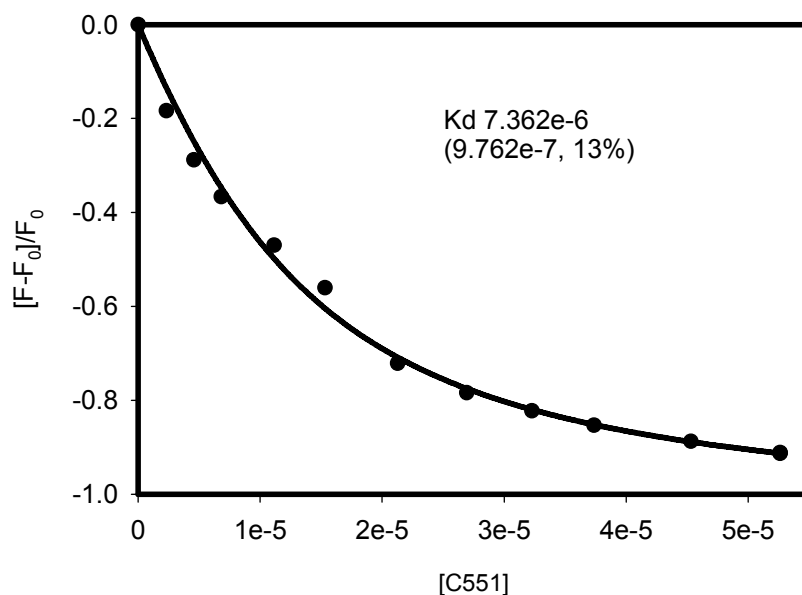
Fluorescence titration for the binding of 5 μM **1c** to Cytochrome *c*. (298 K, pH 7.4, 5mM sodium phosphate buffer). Excitation wavelength was 330 nm; fluorescence was monitored at 401 nm. Fit as a 1:1 complex.



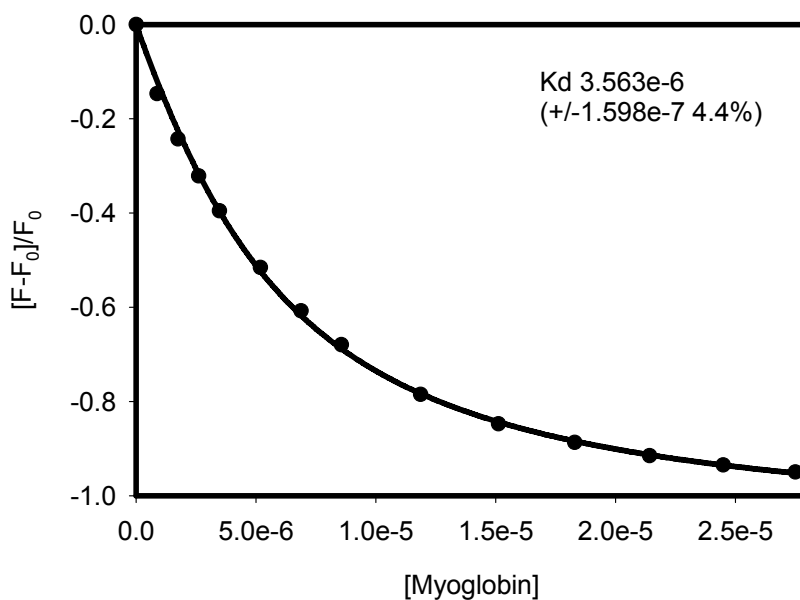
Fluorescence titration for the binding of 1 μM **1d** to Cytochrome *c*. (298 K, pH 7.4, 5mM sodium phosphate buffer). Excitation wavelength was 330 nm; fluorescence was monitored at 401 nm. Fit as a 1:1 complex.



Binding isotherm for the competition titration of **2** with $1\mu\text{M}$ **1a**: Cytochrome *c* (298 K, pH 7.4, 5mM sodium phosphate buffer). Excitation wavelength was 330 nm; decrease in fluorescence of **1a** was monitored at 401 nm until 1:1 stoichiometry with Cytochrome *c* and then the increase upon titration with **2** monitored to give the binding isotherm shown above.



Fluorescence titration for the binding of $4\mu\text{M}$ **1a** to Cytochrome *c551*. (298 K, pH 7.4, 5mM sodium phosphate buffer). Excitation wavelength was 330 nm; fluorescence was monitored at 401 nm. Fit as a 1:1 complex.



Binding isotherm for the titration of 4 μM **1a** with myoglobin (298 K, pH 7.4, 5mM sodium phosphate buffer). Excitation wavelength was 330 nm; fluorescence was monitored at 401 nm. Fit as a 1:1 complex.