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Targeting the heme proteins hemoglobin and myoglobin by Janus green blue and study of the dye-protein association by spectroscopy and calorimetry[†]

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Supplementary Data

Table S1 Data derived from 3-D fluorescence of heme proteins and heme proteins-JGB complexes.

System	Peaks	Peak position λex/λem	Stokes Shift	Intensity
		(nm/nm)	(nm)	(F)
Hb	Fluoresence peak 1	280/338	58	103.0
	Fluoresence peak 2	230/336	106	96.4
Hb +JGB	Fluoresence peak 1	280/341	61	19.0
	Fluoresence peak 2	230/340	100	29.9
Mb	Fluoresence peak 1	280/332	52	66.5
	Fluoresence peak 2	230/331	101	51.1
Mb+ JGB	Fluoresence peak 1	280/333	53	7.3
	Fluoresence peak 2	230/335	105	10.0

Table S2 pH dependent K_{sv} data on JGB-heme protein copmplexation				
рН	Hb ($K_{sv} \times 10^4 \mathrm{M}^{-1}$)	Mb ($K_{sv} \times 10^4 \mathrm{M}^{-1}$)		
6.4	7.9	9.4		
7.4	6.2	8.7		
8.4	5.7	8.1		

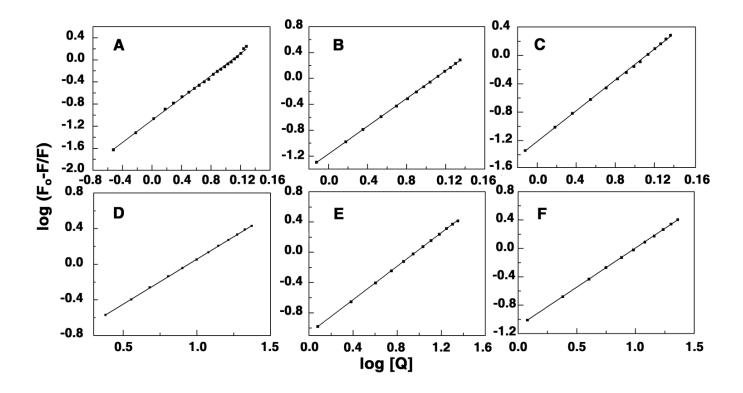


Fig. S1 Temperature dependent plot of Log Fo-F/F versus log [Q] for the binding of JGB with Hb and Mb. The upper panels (A-C) represent the data for JGB-Hb and lower panel for JGB-Mb (D-F) at temperature 288.15, 303.15 and 318.15 K, respectively.