Supplementary Information

Photo Induced Reaction of Myoglobins with Energy Transferred from Excited Free Tryptophan

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Table S1. The parameters of kinetic curves fitted with multiple exponents by Levenberg Marquardt equation.

Protein	Wavelength	χ^2	τ (ns)	B (%)	std. Dev
	(nm)				
DeoxyMb	430	0.695	13.70	0.93	1.53
MbO_2	410	0.907	44.78	0.90	0.65
MetMb	405	0.814	23.09	0.93	1.40
DeoxyMb+Trp	430	0.806	20.48	1.56	1.42
MbO ₂ +Trp	410	1.450	17.24	1.39	0.75
MetMb+Trp	405	1.330	18.37	1.73	1.07

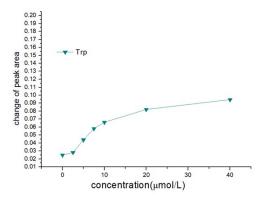


Fig. S1 The peak area changes of metMb (10⁻⁵mol/L) at 544 nm after irradiation with 254 nm light in different concentration of amino acids solutions

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