

Supplementary Materials (ESI) for Molecular BioSystems

Antibody-ProteinA Conjugated Quantum Dots for Multiplexed Imaging of Surface Receptors in Living Cells

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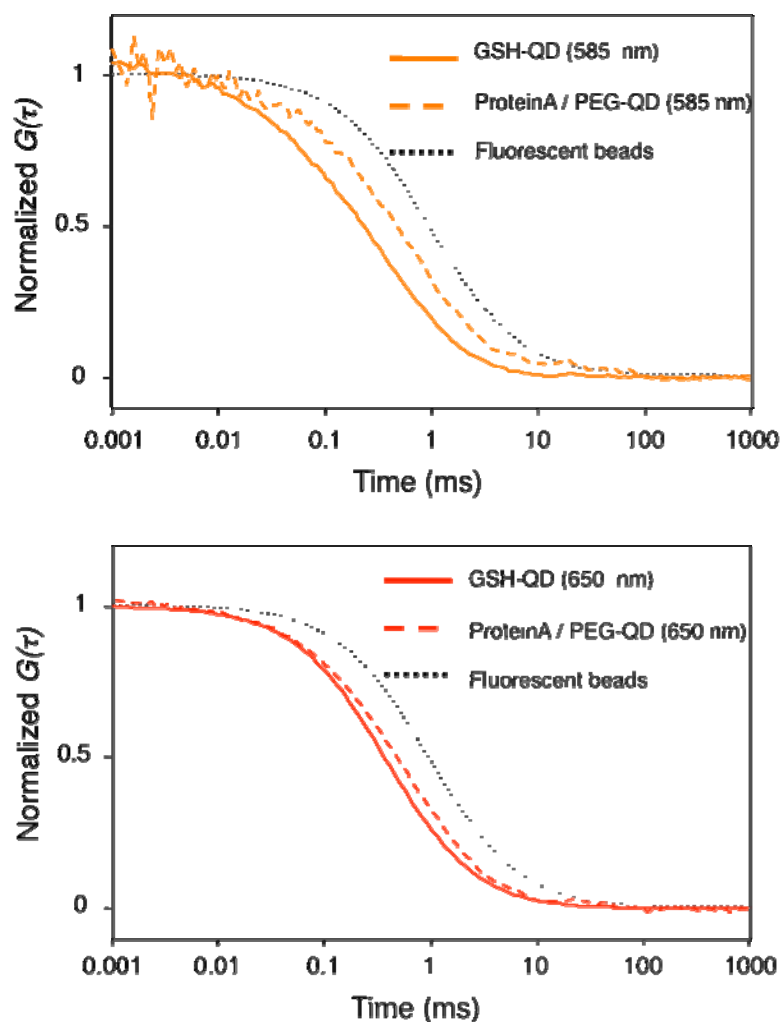


Figure S1. Fluorescence autocorrelation curves for GSH-QDs and ProteinA/PEG-QDs and standard fluorescent beads (20 nm in diameter) in 10 mM PBS buffer.

Table S1. The values of diffusion time and hydrodynamic diameter of QDs in 10 mM PBS

QD	Diffusion time (ms)	Hydrodynamic diameter (nm)
GSH-QD (585 nm)	0.22 ± 0.01	4.4 ± 0.2
GSH-QD (650 nm)	0.34 ± 0.01	6.8 ± 0.2
Qdot 655 ITK (Invitrogen)	0.92 ± 0.04	18 ± 0.8
ProteinA/PEG-QD (585 nm)	0.43 ± 0.02	8.6 ± 0.4
ProteinA/PEG-QD (650 nm)	0.45 ± 0.02	9.0 ± 0.4

The diffusion time of standard fluorescent beads (20 nm in diameter) is 1.00 ± 0.08 ms.