

Analytical and Bioanalytical Chemistry

**Electronic Supplementary Material**

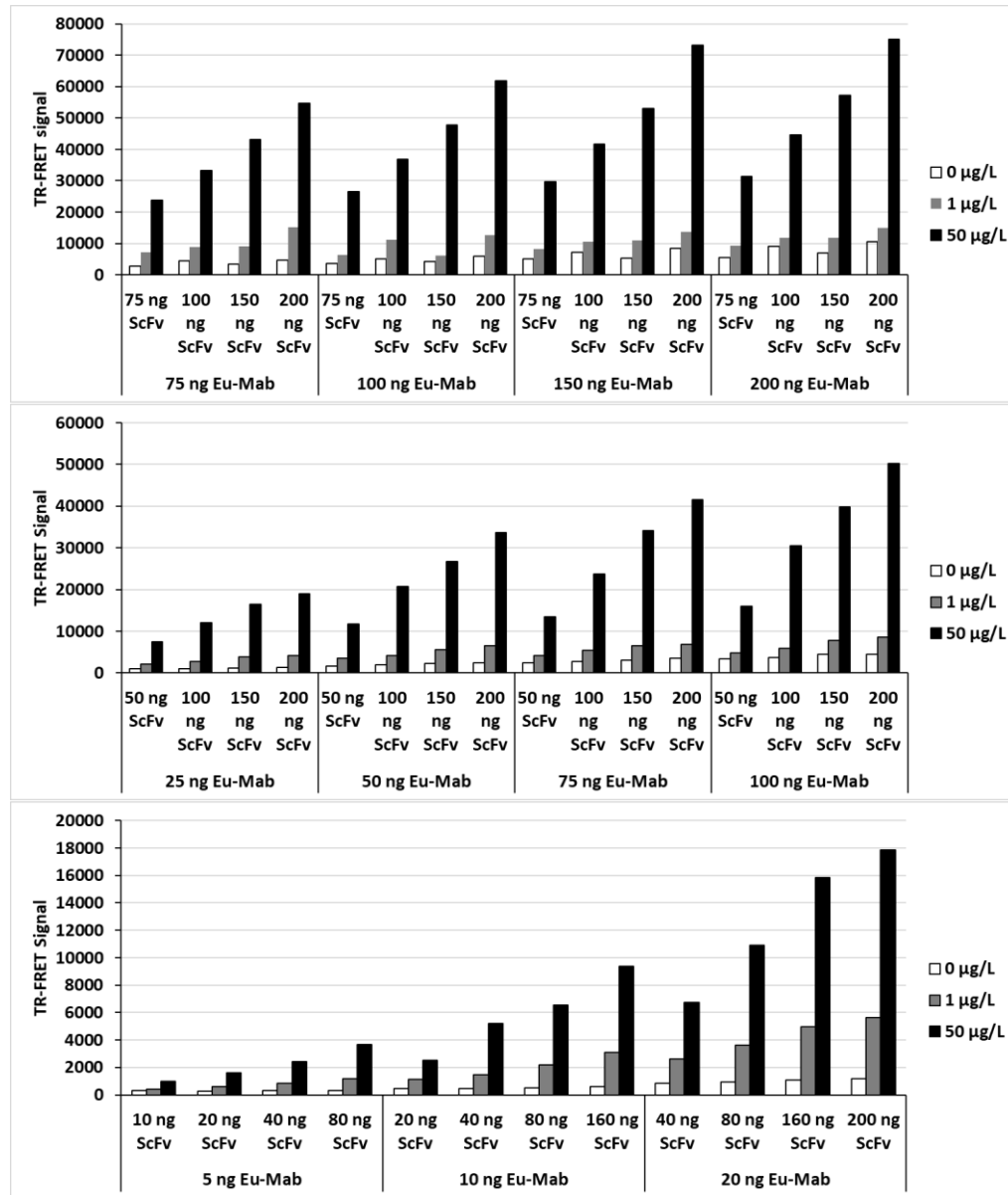
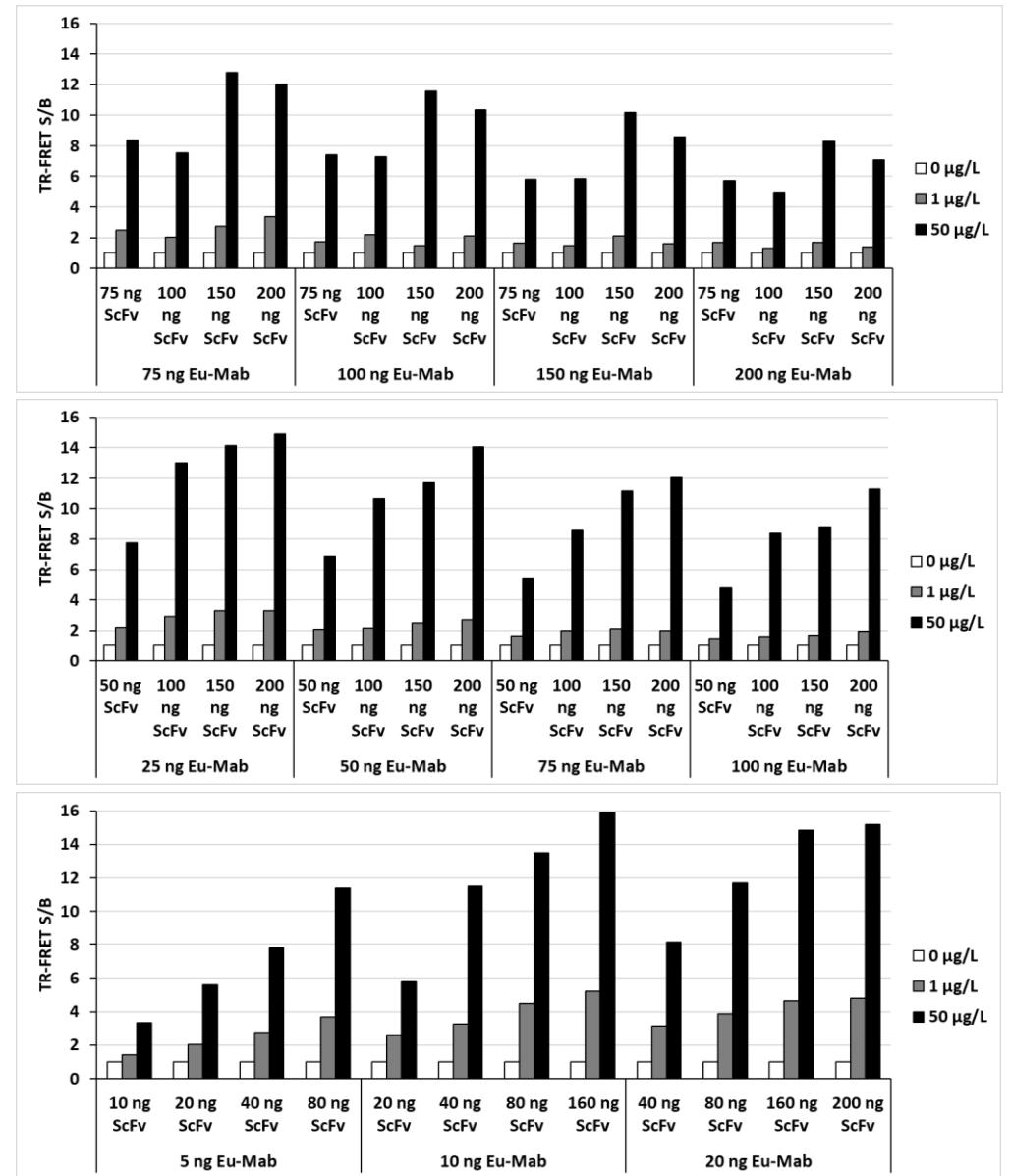
Article title:

**A 15-min non-competitive homogeneous assay for microcystin and nodularin based on time-resolved Förster resonance energy transfer (TR-FRET)**

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**a****b**

**Fig. S1** Optimization of Eu-adda-Mab and AF680-scFv-AP in the homogeneous assay.

Column **a** shows TR-FRET signal (average of two replicate measurements) of the sensitized emission of AF680 in the Y axis against the varying amount of Eu-adda-Mab ( 5-200 ng/well) and AF680-scFv-AP (10-200 ng/well) in presence of 0, 1 or 50  $\mu\text{g/L}$  of microcystin-LR (MC-LR) in 100  $\mu\text{L}$  reaction well (x axis).

Column **b** shows the corresponding TR-FRET signal to blank ratio (S/B) of the sensitized emission of AF680 in the Y axis against the varying amount of Eu-adda-Mab ( 5-200 ng/well) and AF680-scFv-AP (10-200 ng/well) in presence of 0, 1 or 50  $\mu\text{g/L}$  of microcystin-LR (MC-LR) in 100  $\mu\text{L}$  reaction well (x axis).