

Electronic Supplementary Material

Sensitive and selective detection of microRNA in complex biological samples based on protein-enhanced fluorescence anisotropy

Yan Li^a, Yao Sun^b, Jieyun Ye^c, Fengping Pan^a, Bo Peng^a, Haiqiang Li^a, Mingming Zhang^a, Yan Xu^{d*}

^aDepartment of Anorectal Surgery, Affiliated Hospital of Jiaying University (The First Hospital of Jiaying)

^bDepartment of Emergency Surgery, Affiliated Hospital of Jiaying University (The First Hospital of Jiaying)

^cTongji Zhejiang College

^dDepartment of E.N.T, Affiliated Hospital of Jiaying University (The First Hospital of Jiaying)

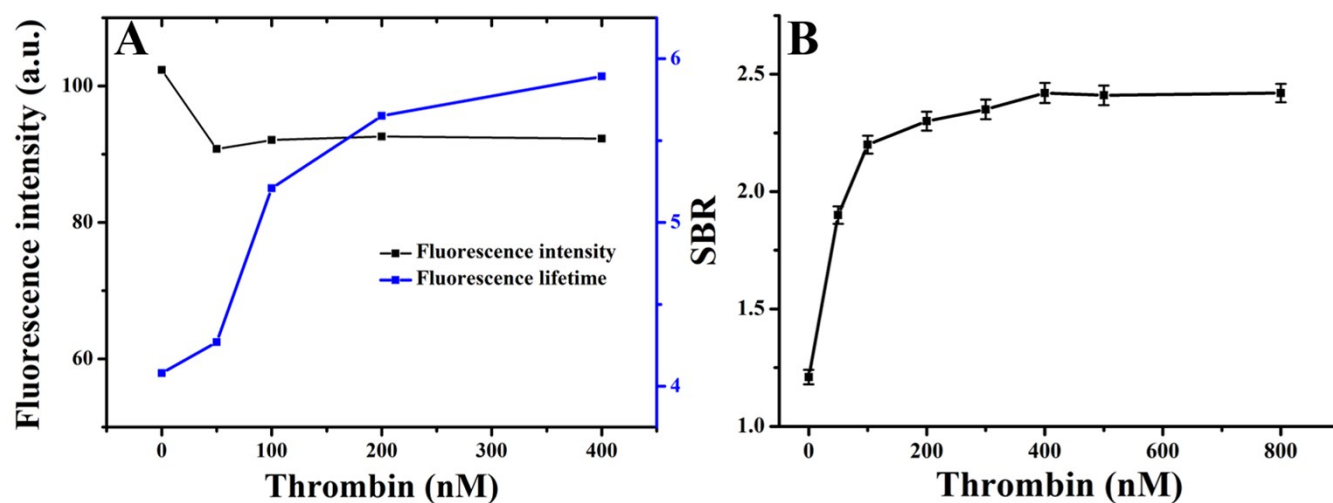


Fig. S1 (A) Fluorescence intensity (black line) and lifetime (blue line) change of 100 nM FA probe after addition different concentrations of thrombin. (B) Optimization of the thrombin concentration.

Table S1 miRNA was measured in BSA by using the presented FAS.

sample	Added (pM)	Founded (nM)	Recovery (%)
1	50	52.8	105.6
2	100	104.3	104.3
3	500	486	97.2
4	1000	1068.8	106.9
5	5000	4891.6	97.8