

## Supporting Information

### **A straightforward and sensitive “ON-OFF” fluorescence immunoassay based on silicon-assisted surface enhanced fluorescence**

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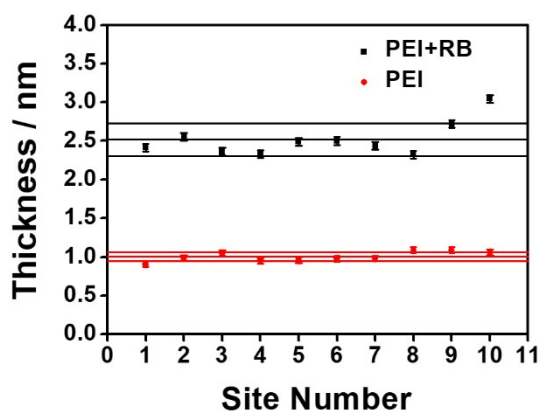


Fig. S1. The thickness of the PEI layer with (black) and without (red) RB attachment, each measured from ten different sites. For each sample, the straight lines indicate the mean and the standard deviation calculated from ten different sites.

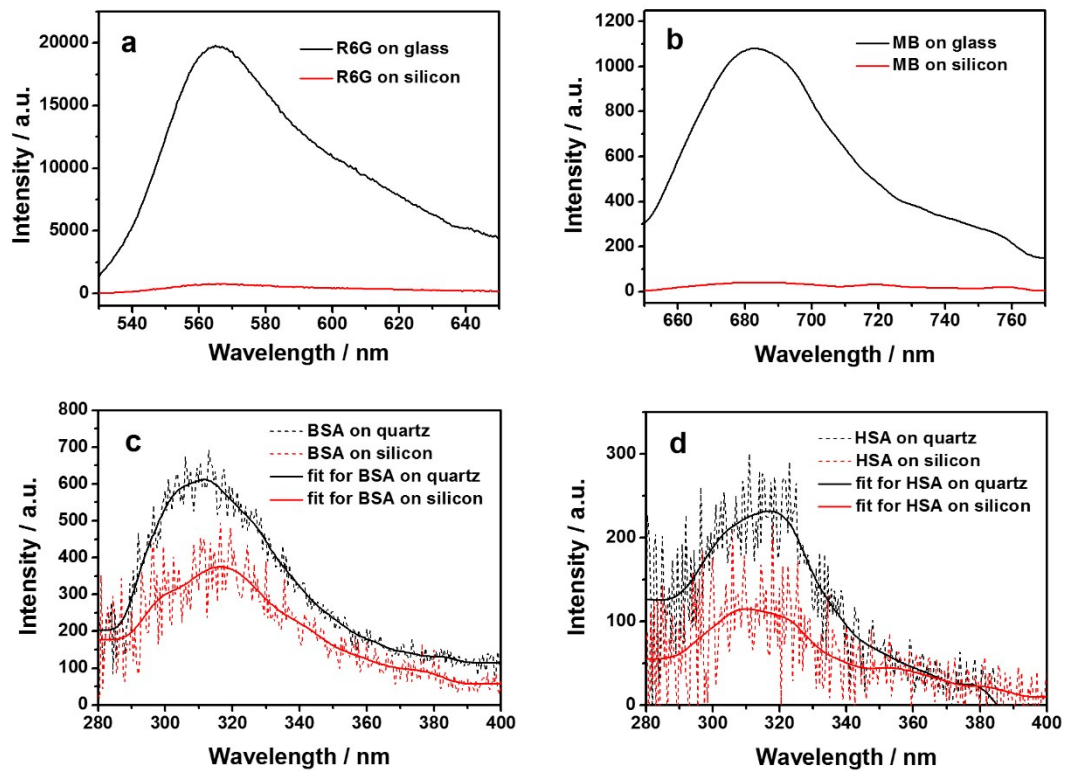


Fig. S2. The fluorescence spectra of different molecules on the surface of glass (quartz) substrates and silicon substrates: (a) R6G, (b) MB, (c) BSA and (d) HSA.