Electronic Supplementary Material (ESI) for Analytical Methods.


Supplementary Information

# Process Integrated Biosensors for Real-Time Monitoring of Antibodies for Automated Affinity Purification

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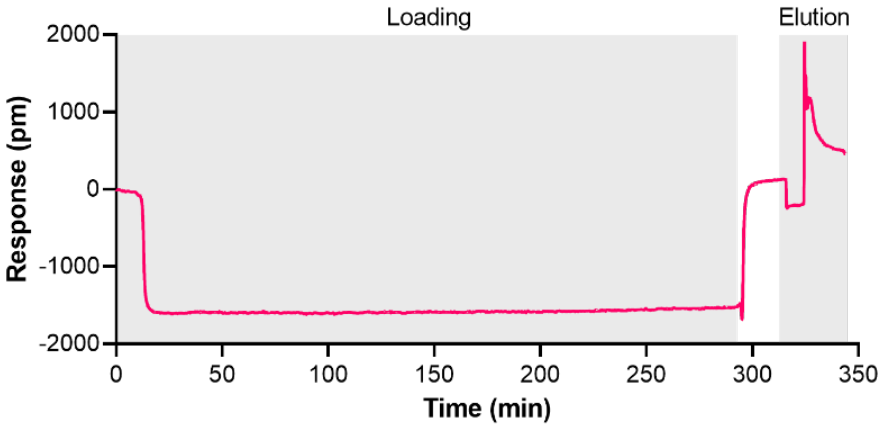


**Fig. S1** LSPR signals from an IgG purification step using an ÄKTA pilot system. Loaded mass was lower than the column capacity. Chromatography parameters: IgG cell culture supernatant 0.9 mg/mL, MabSelect HiTrap column 330 mL, flow rates: 200 mL/min for equilibration and washing, 70.5 mL/min for loading and elution, buffers: 20 mM sodium phosphate containing 150 mM NaCl, pH 7.2 for equilibration and washing, 50 mM citrate, pH 3.5 for elution.

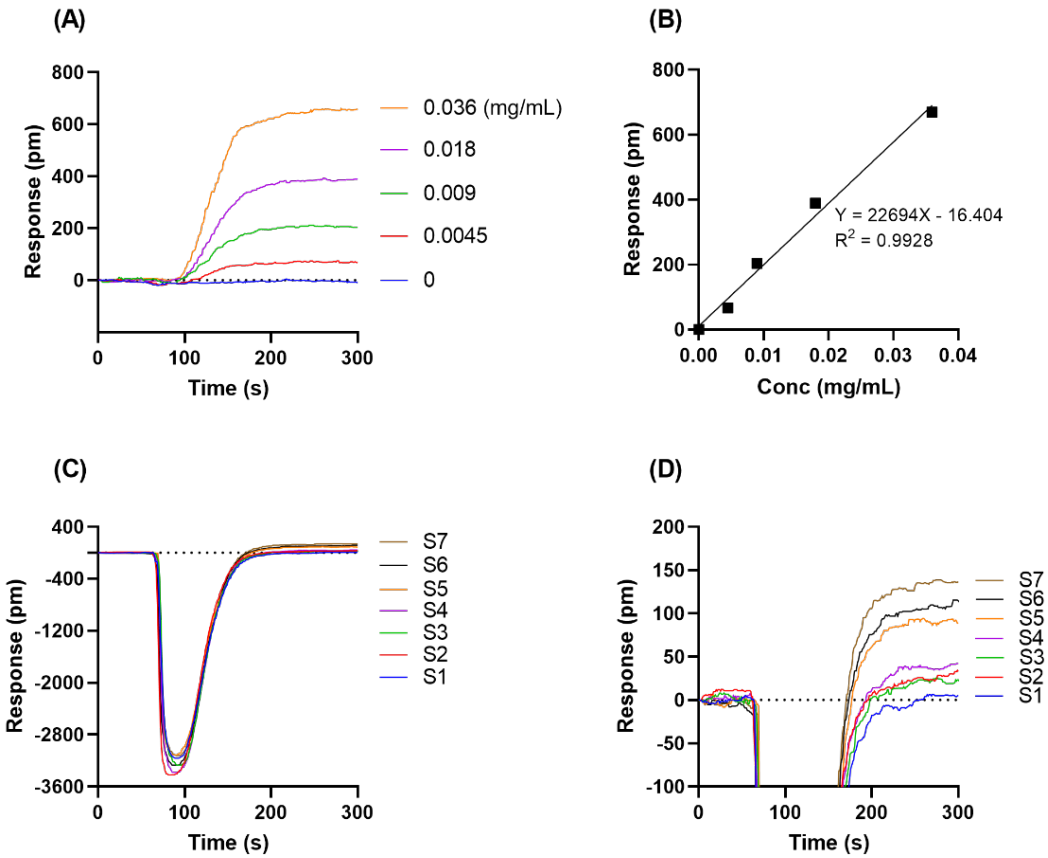


**Fig. S2** Off-line measurements using LSPR for titer quantification. (A) Sensorgrams of IgG standards with different concentrations. (B) Calibration curve plotted using binding response at 300 s in the sensorgrams. (C) Sensorgrams of seven fractions collected during the loading. (D) Zoomed-in area of figure (C) showing the difference in binding response of samples.