

Analytical and Bioanalytical Chemistry

Electronic Supplementary Material

Cleaning-in-place of immunoaffinity resins monitored by *in situ* ATR-FTIR spectroscopy

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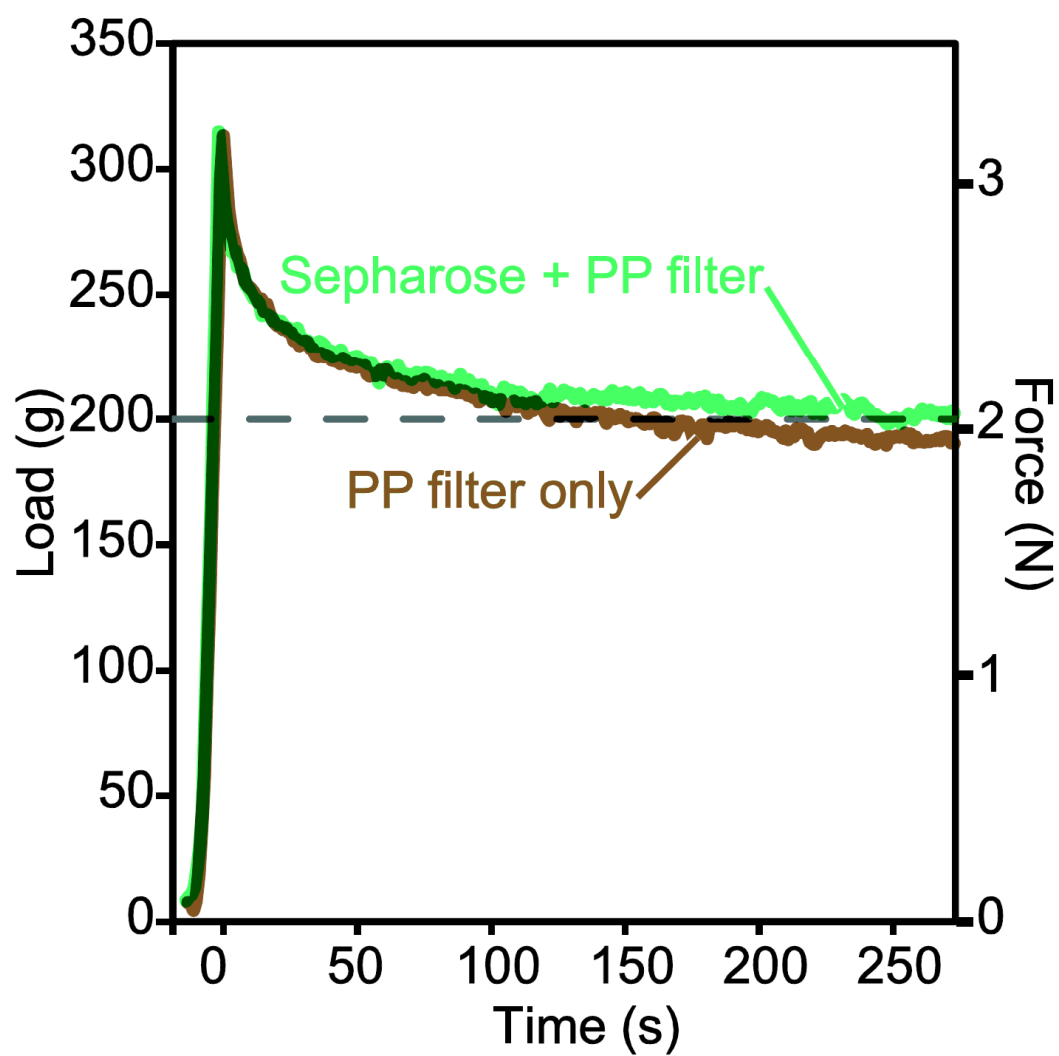


Fig. S1 Load measured by the load cell following the lowering of the plunger

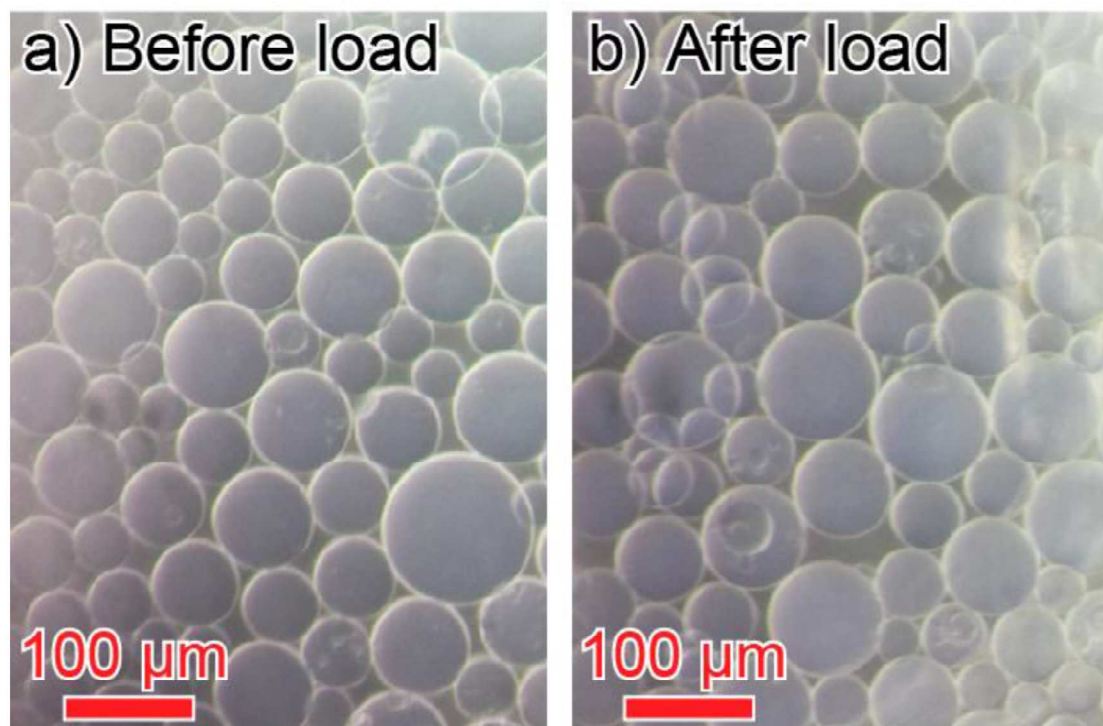


Fig. S2 Microscopy image of resin beads following ATR-FTIR spectroscopic measurements

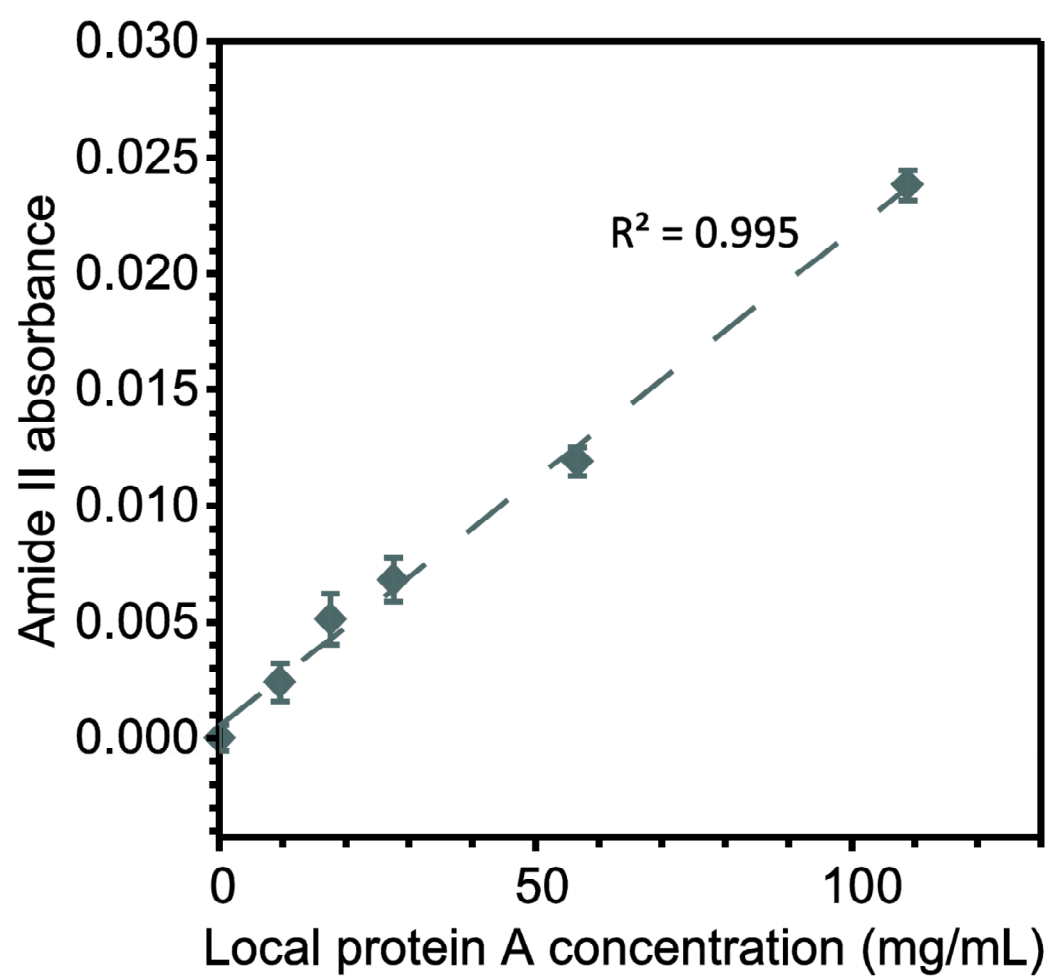


Fig. S3 Standard addition curve used for Protein A local concentration quantification

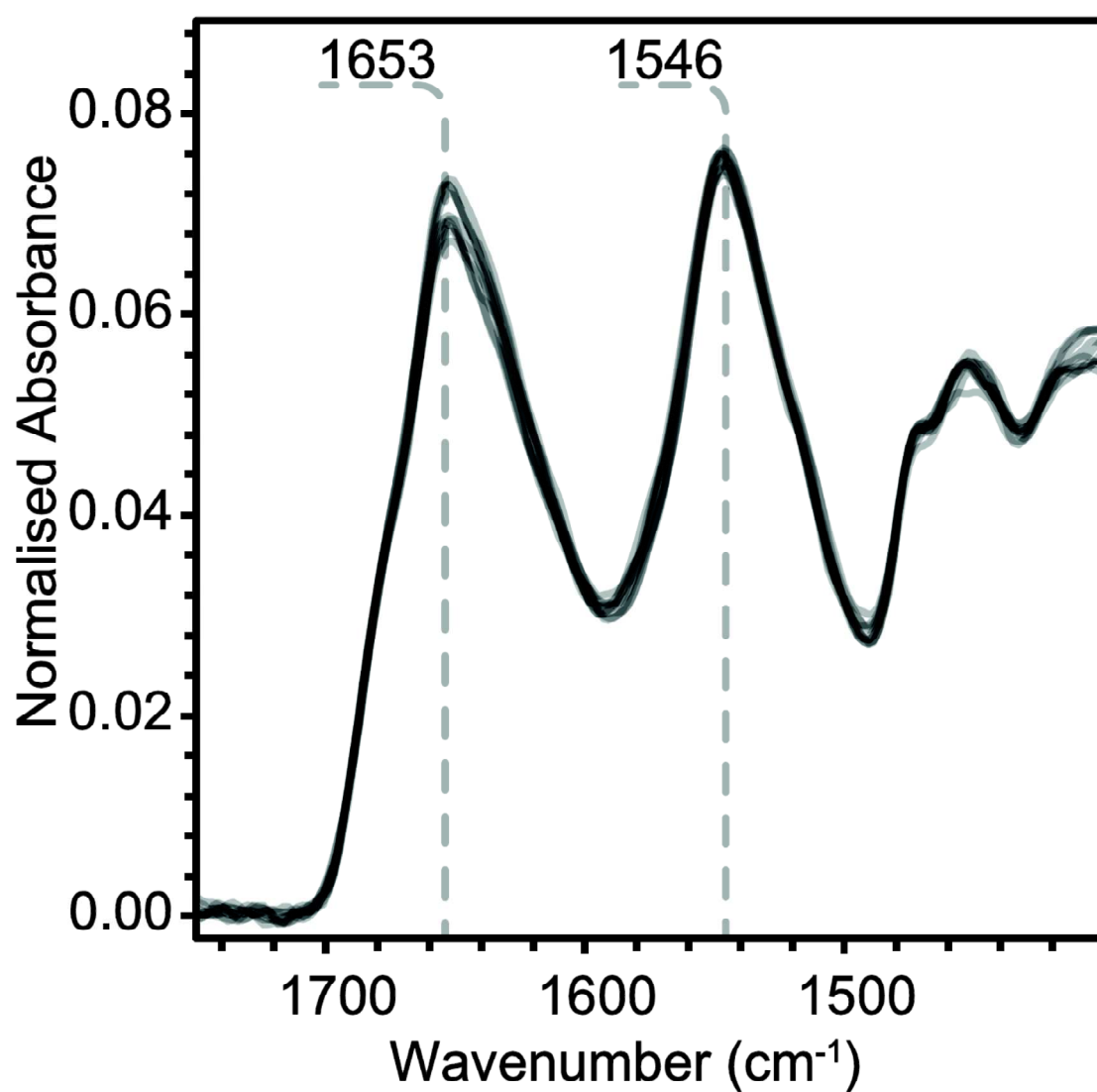


Fig. S4 Spectral region for Amide I and II bands of 10 different rProtein A Sepharose resin aliquots measured by ATR-FTIR spectroscopy under 200 g load. Spectra were normalized using the 1050 cm⁻¹ polysaccharide band. The overlapping spectra are indicative of the loading reproducibly