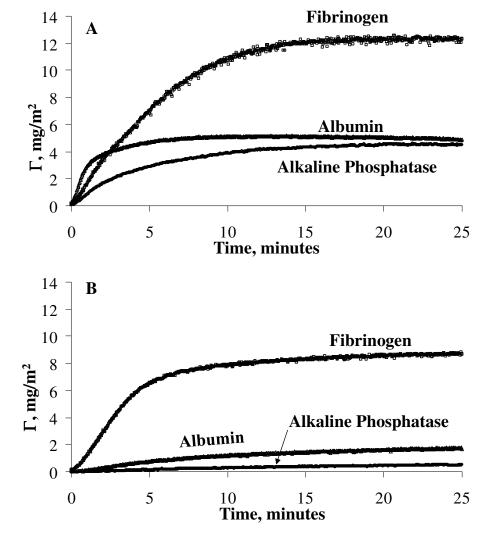
## **Supporting Information for**

Single Component and Selective Competitive Protein Adsorption in a Patchy Polymer Brush: Opposition between Steric Repulsion and Electrostatic Attraction

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Figure SI-1 presents data for the adsorption of bovine serum albumin, bovine serum fibrinogen, and bovine alkaline phosphatase on negative (acid etched silica) and positive (an adsorbed PLL layer on silica) surfaces, from flowing buffer at pH 7.4. The protein concentration in each case is 100 ppm, and the wall shear rate is  $5 \text{ s}^{-1}$ .



These data show substantial protein adsorption on the cationic surface. Fibrinogen also adsorbs strongly to glass, with the same initial transport-limited rate seen on the PLL layer. Buffer is injected at 20 minutes and in all cases there is strong protein retention. Separate studies (not shown here), employing a fluorescent PLL showed complete retention of the PLL upon exposure to adsorbing protein.