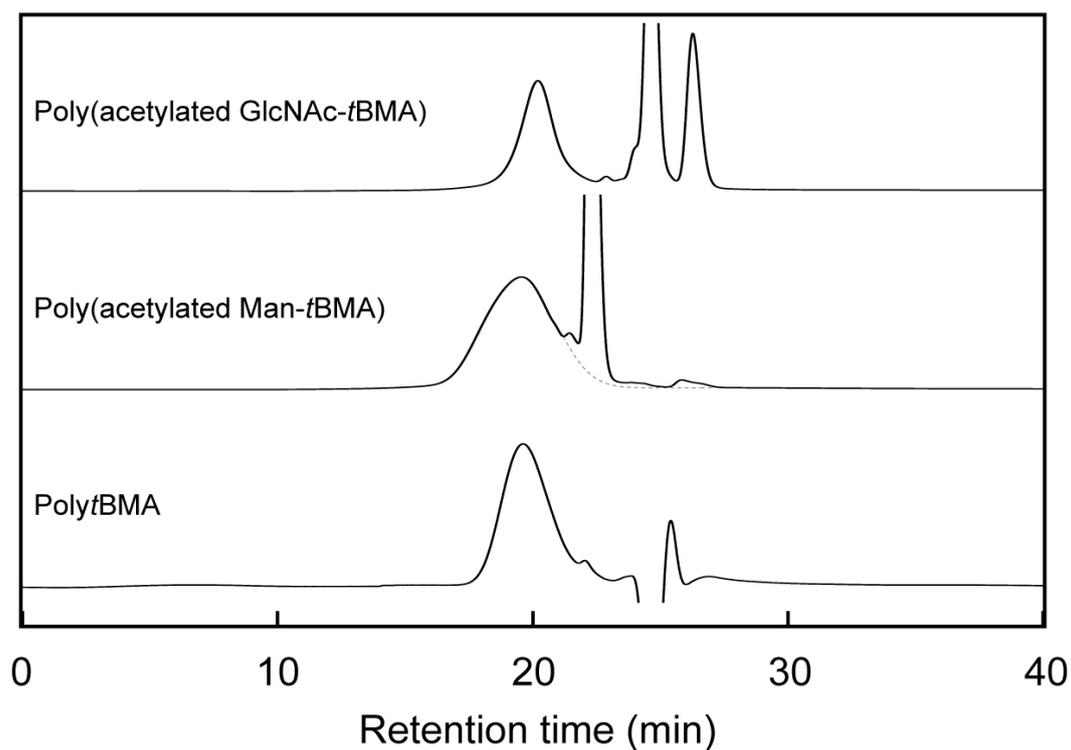
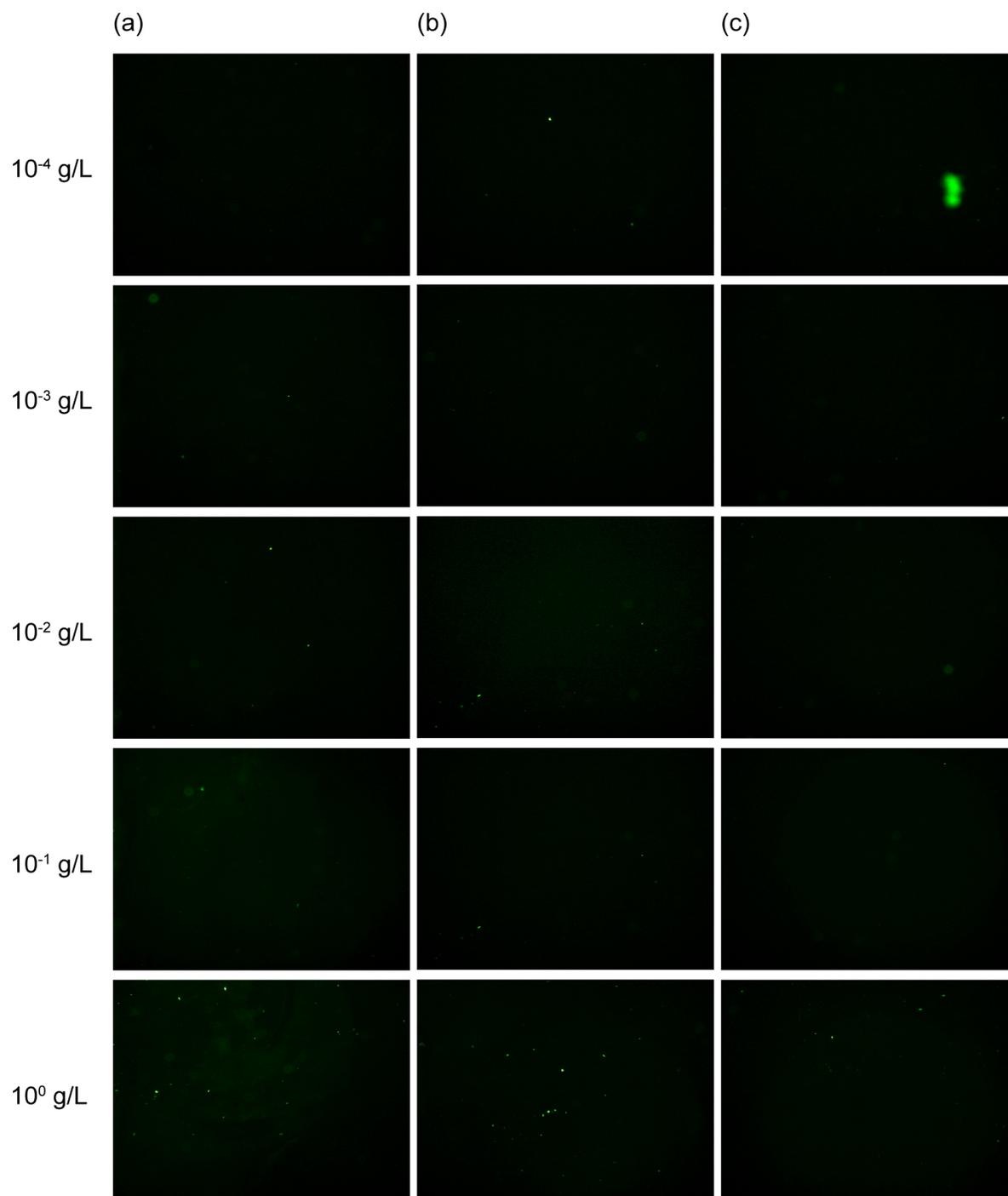


## Supplementary Information

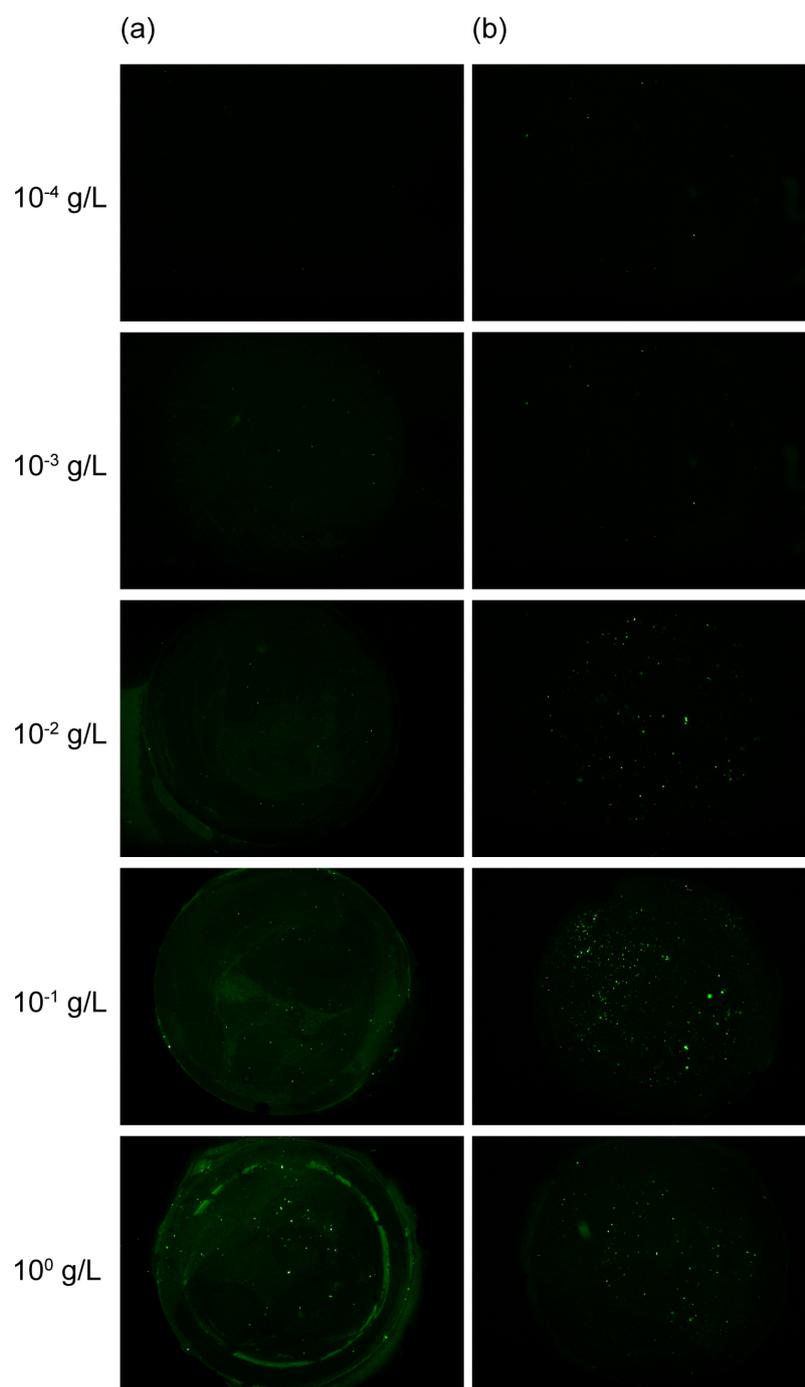
**Figure S1.** Size exclusion chromatograms of poly*t*BMA, poly(acetylated Man-*t*BMA), and poly(acetylated GlcNAc-*t*BMA) synthesized in solution. Refractive index detector and UV detector were used for poly*t*BMA and poly(acetylated glyco-*t*BMA), respectively. The mobile phase was THF permeating at a flow rate of 0.5 mL/min. Peak in the chromatogram of the poly(acetylated Man-*t*BMA) was overlapped with a ghost peak. The peak was divided by Peak Fitting software, and the  $M_w$ ,  $M_n$ , and  $D_M$  of the poly(acetylated Man-*t*BMA) were estimated from the divided peak.



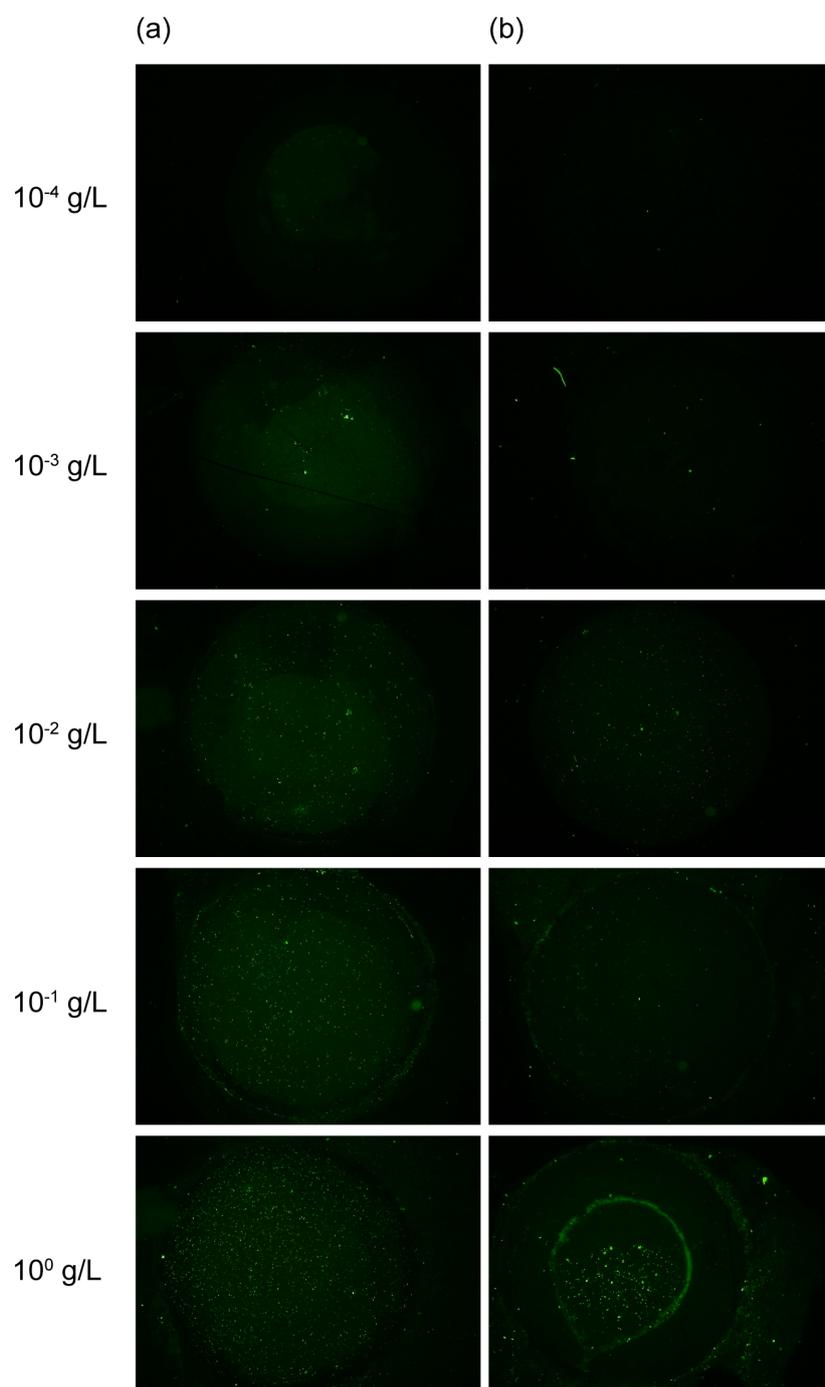
**Figure S2.** Fluorescent images on polyMA-immobilized glass slide adsorbed with (a) FITC-Con A; (b) FITC-WGA; and (c) FITC-BSA.



**Figure S3.** Fluorescent images on poly(Man-MA)-immobilized glass slide adsorbed with (a) FITC-Con A and (b) FITC-BSA.



**Figure S4.** Fluorescent images on poly(GlcNAc-MA)-immobilized glass slide adsorbed with (a) FITC-WGA and (b) FITC-BSA.



**Figure S5.** Breakthrough curves and amounts of protein adsorbed on (a) poly(acetylated Man-*t*BMA)-immobilized and (b) poly(Man-MA)-immobilized membranes.

