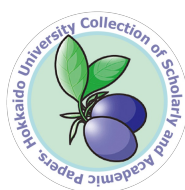




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Supplementary materials

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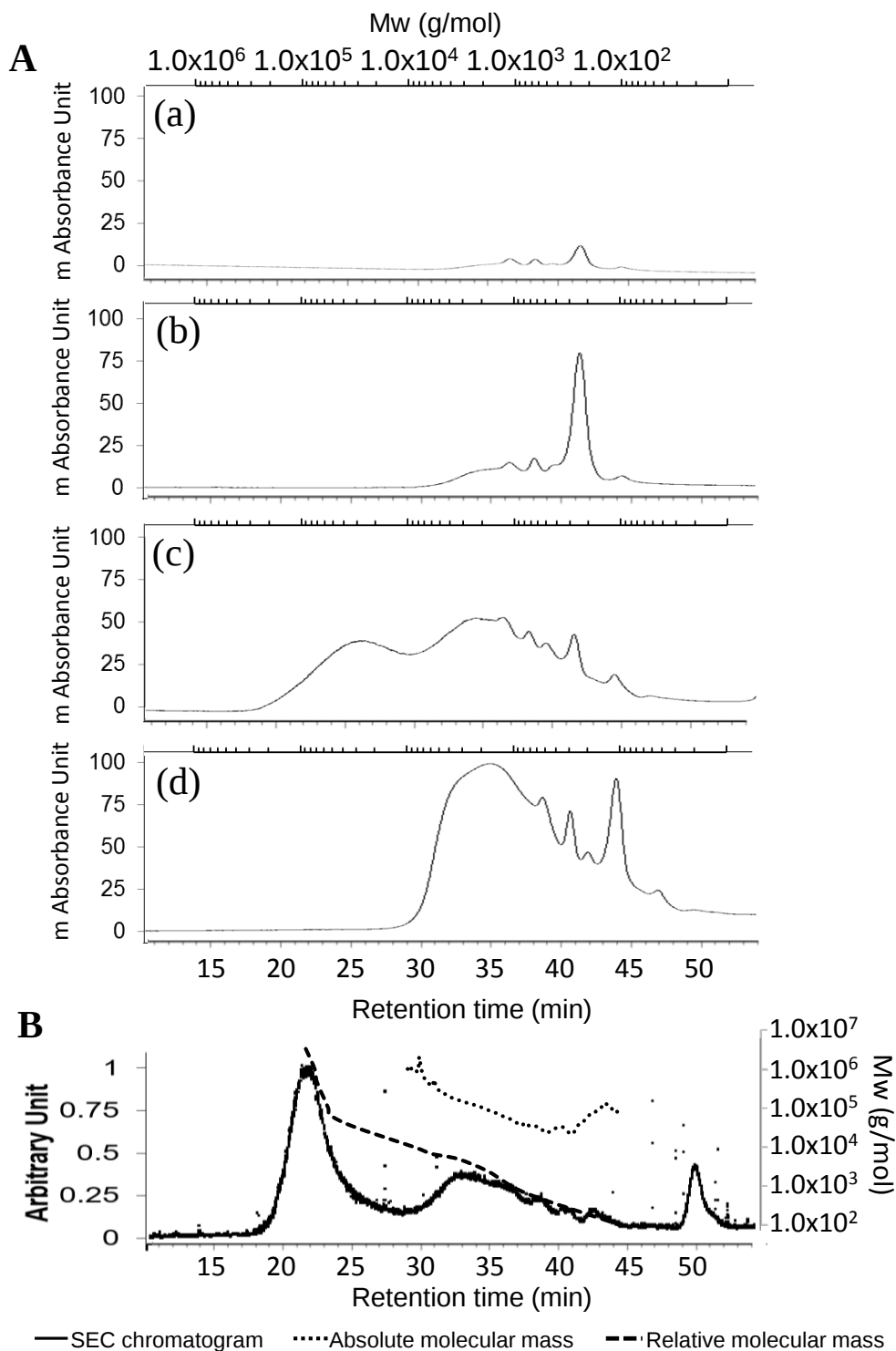


Fig S1 Size exclusion chromatograms of EPEG-AL in chloroform. A series of chromatograms were monitored on a UV detector at 280 nm for the solution at the concentration of 0.5 mg/mL (a), 1.0 mg/mL (b), 2.0 mg/mL (c) and 3.0 mg/mL (d). Chromatogram B at the concentration of 3.0 mg/mL was monitored on a MALS detector

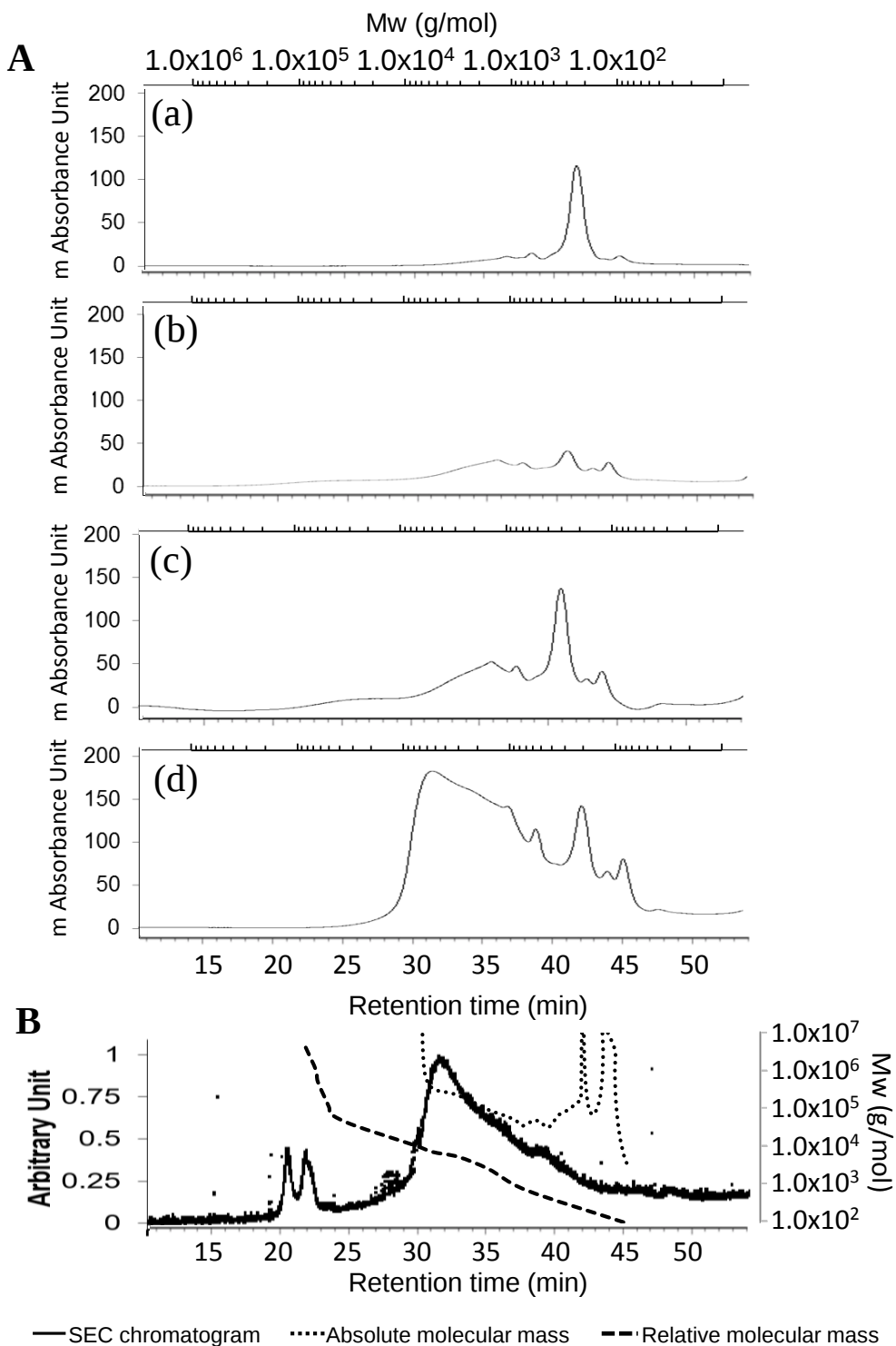


Fig S2 Size exclusion chromatograms of EPEG-KL in chloroform. A series of chromatograms were monitored on a UV detector at 280 nm for the solution at the concentration of 0.5 mg/mL (a), 1.0 mg/mL (b), 2.0 mg/mL (c) and 3.0 mg/mL (d). Chromatogram B at the concentration of 3.0 mg/mL was monitored on a MALS detector

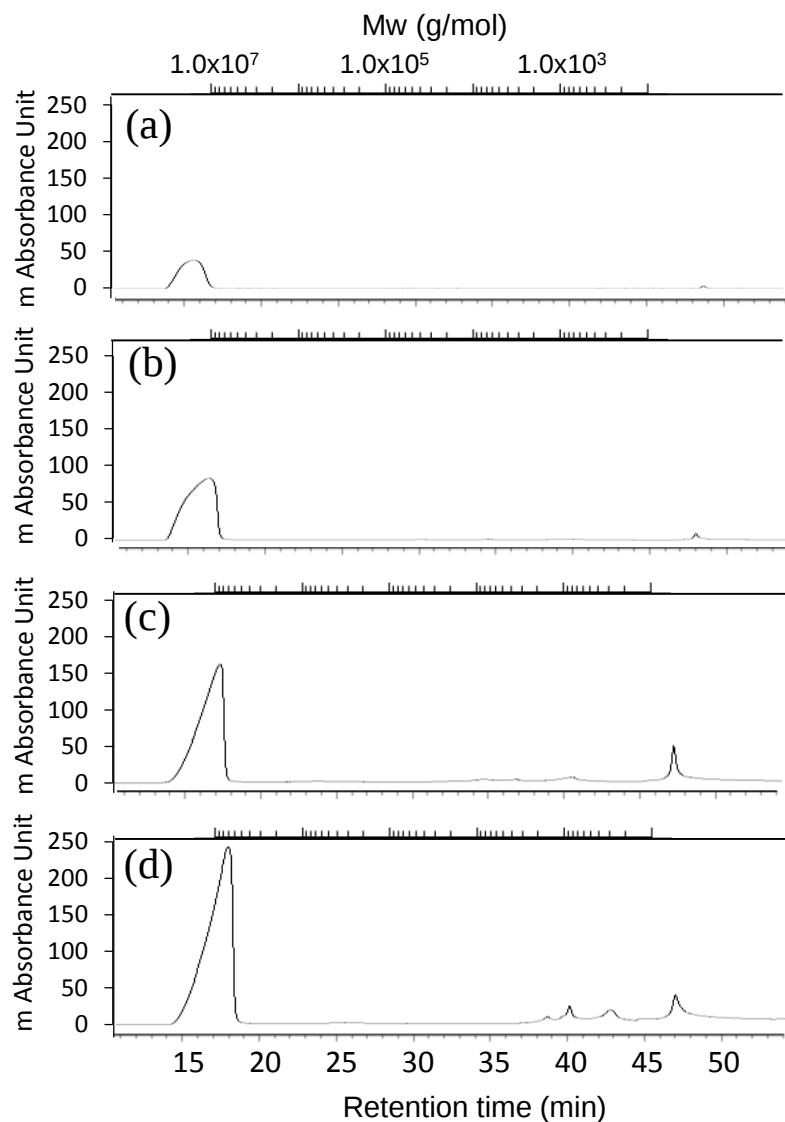


Fig S3 Size exclusion chromatograms of EPEG-AL in water monitored on a UV detector at 280 nm. at the injection concentration of 0.5 mg/mL (a), 1.0 mg/mL (b), 2.0 mg/mL (c), and 3.0 mg/mL (d)

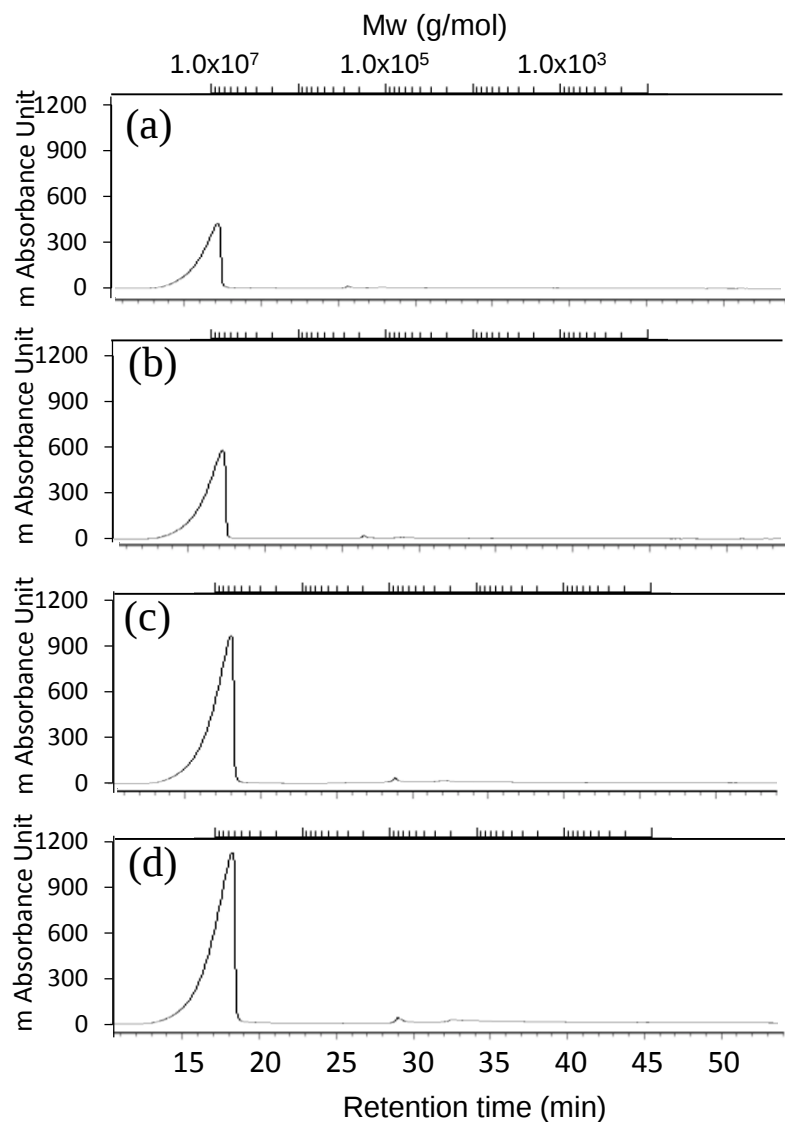


Fig S4 Size exclusion chromatograms of EPEG-SL in water monitored on a UV detector at 280 nm at the injection concentration of 0.5 mg/mL (a), 1.0 mg/mL (b), 2.0 mg/mL (c), and 3.0 mg/mL (d)

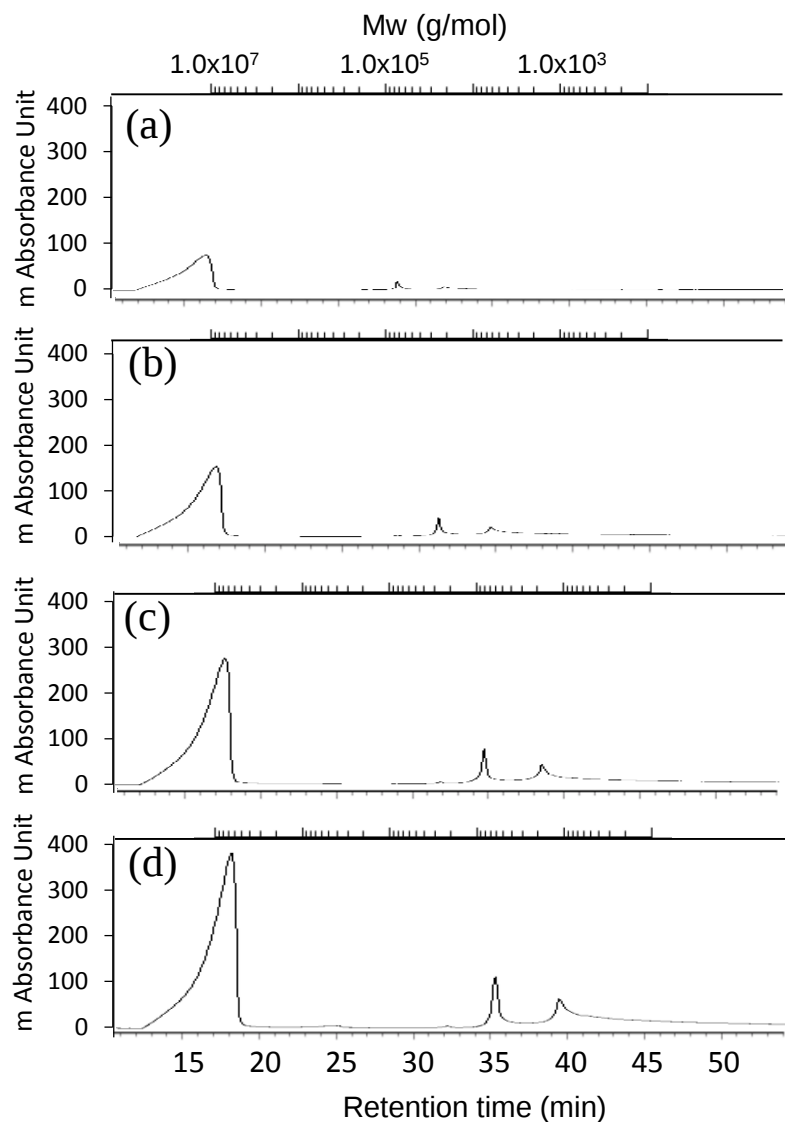


Fig S5 Size exclusion chromatograms of EPEG-KL in water monitored on a UV detector at 280 nm at the injection concentration of 0.5 mg/mL (a), 1.0 mg/mL (b), 2.0 mg/mL (c), and 3.0 mg/mL (d)

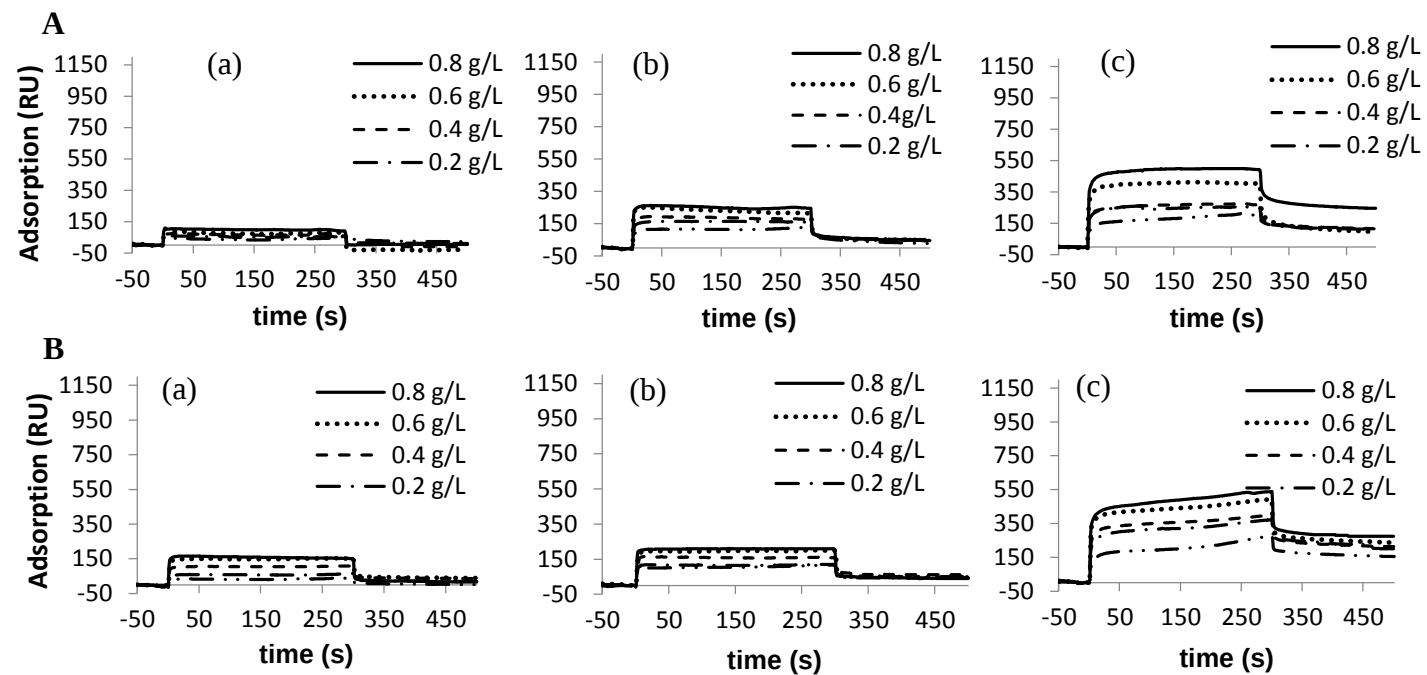


Fig S6 Sensorgrams of EPEG-SL (A) and EPEG-KL (B) for various functional groups on sensor chip. (a), hydroxy group; (b), carboxy group; (c), amino group