

Fig. S3 Distortionless Enhancement by Polarization Transfer (DEPT 135) NMR spectrum of MARGD in D₂O.

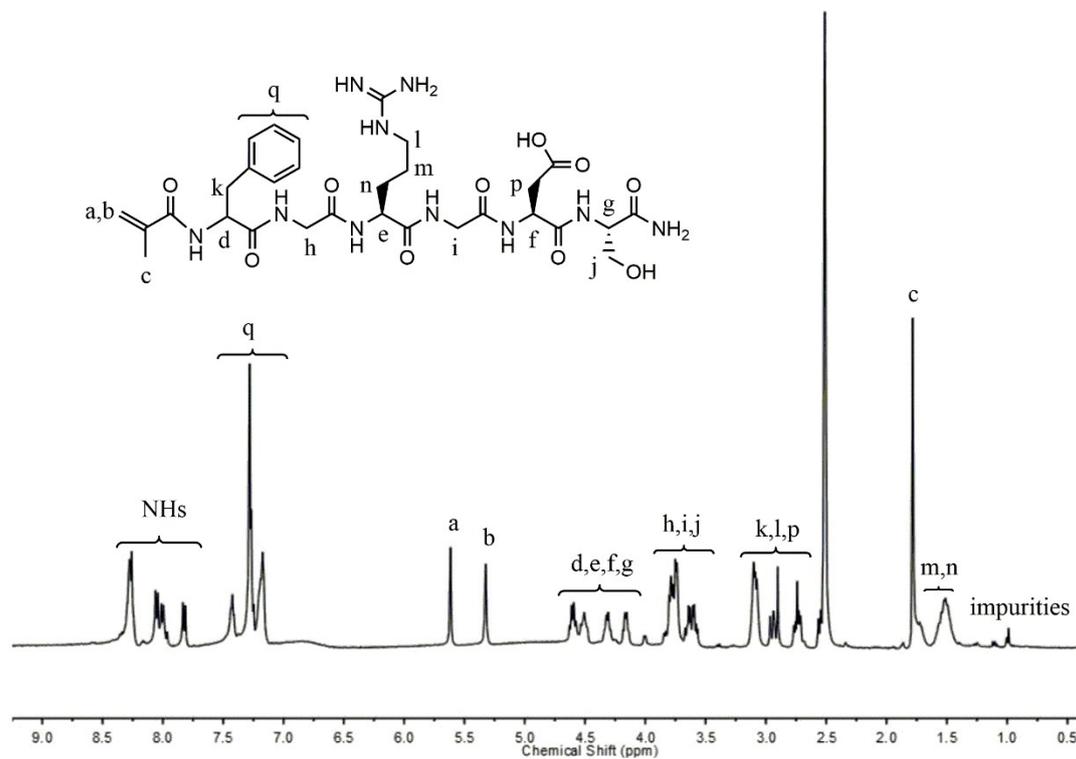


Fig. S4 ¹H NMR Spectrum of MARGD in DMSO-*d*₆.

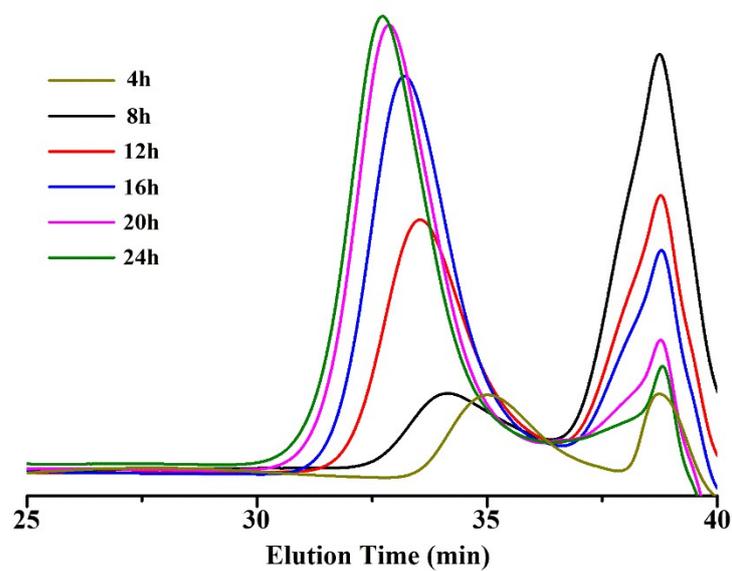


Fig. S5 GPC traces for RAFT polymerization of MARGD at different polymerization times.

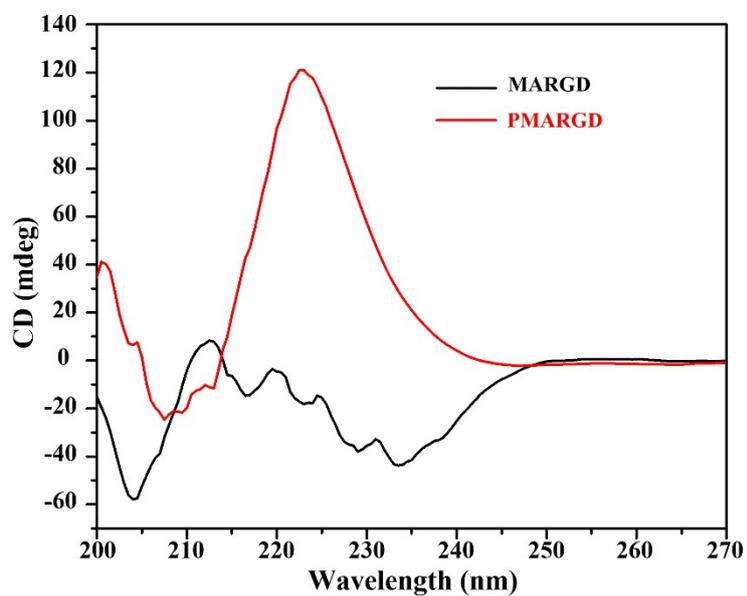


Fig. S6 Circular dichroism (CD) spectra of MARGD and PMARGD in H₂O.

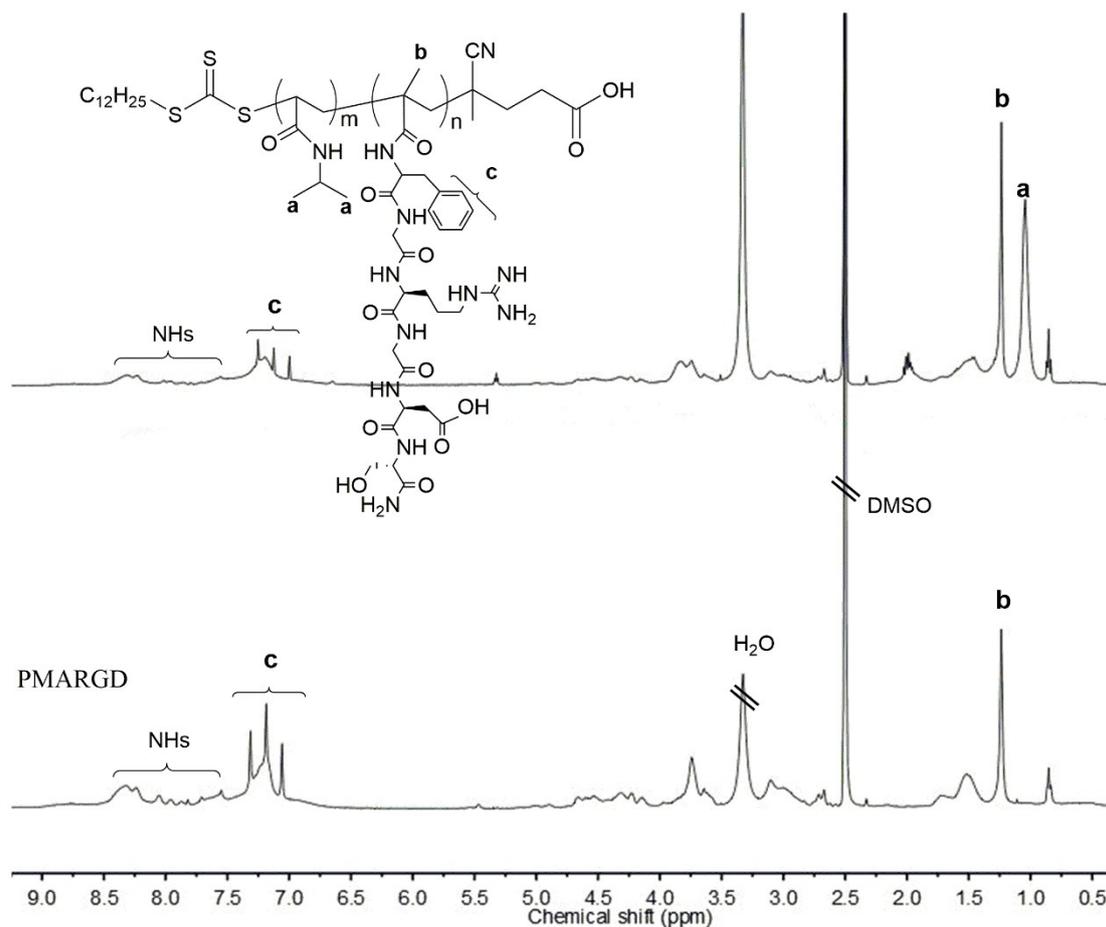


Fig. S7 ¹H NMR spectra of PMARGD and diblock copolymer: PMARGD-*b*-PNIPAM in DMSO-*d*₆ (The three sharp peaks around 7.0 -7.3 ppm are trifluoroacetic acid residue's fluorine resonance signals).

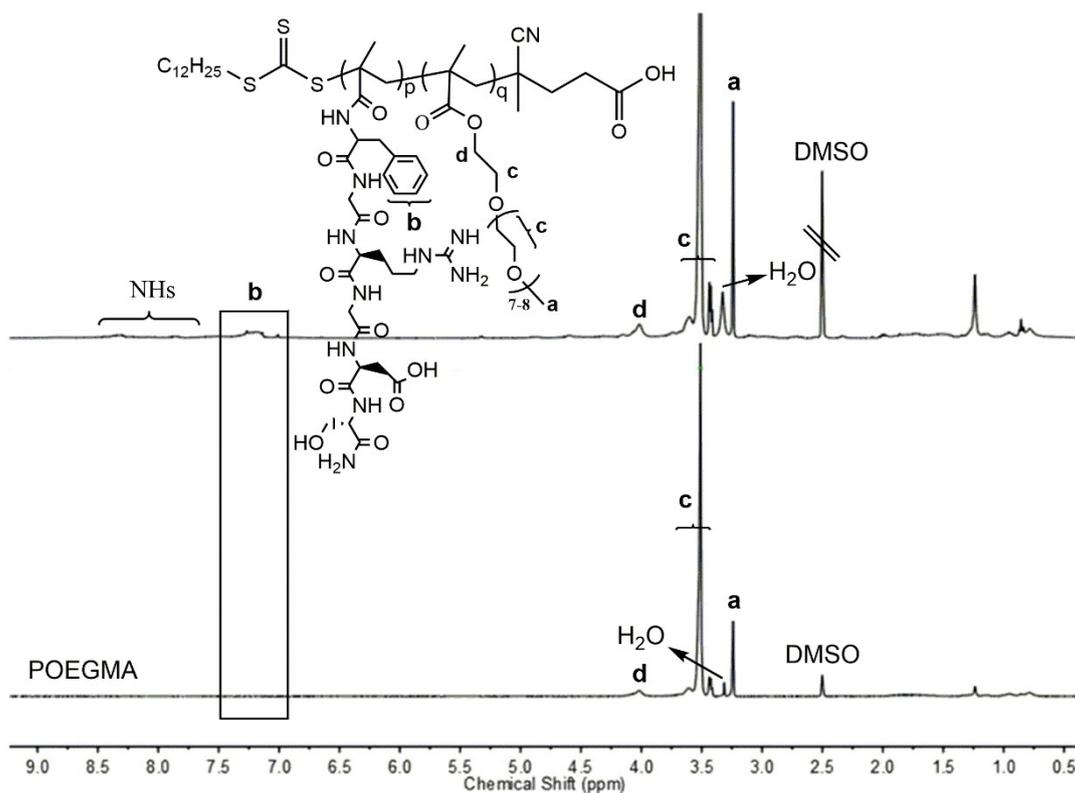


Fig. S8 ^1H NMR spectra of POEGMA and diblock copolymers: POEGMA-*b*-PMARGD in $\text{DMSO-}d_6$.

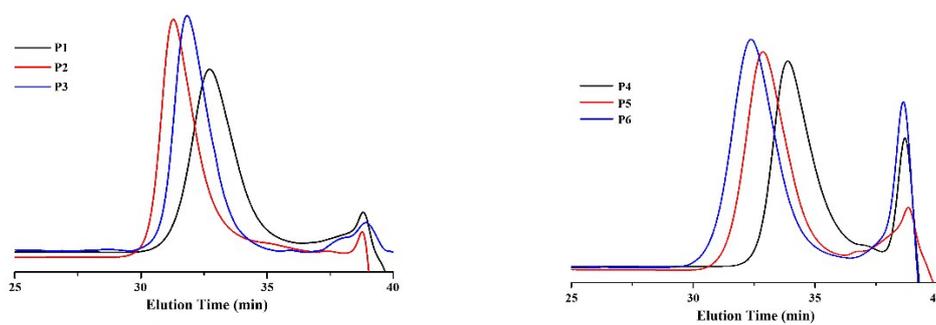


Fig. S9 GPC traces for PMARGD diblock copolymers (see **Table 1** for P1 – P6 molecular weight data).

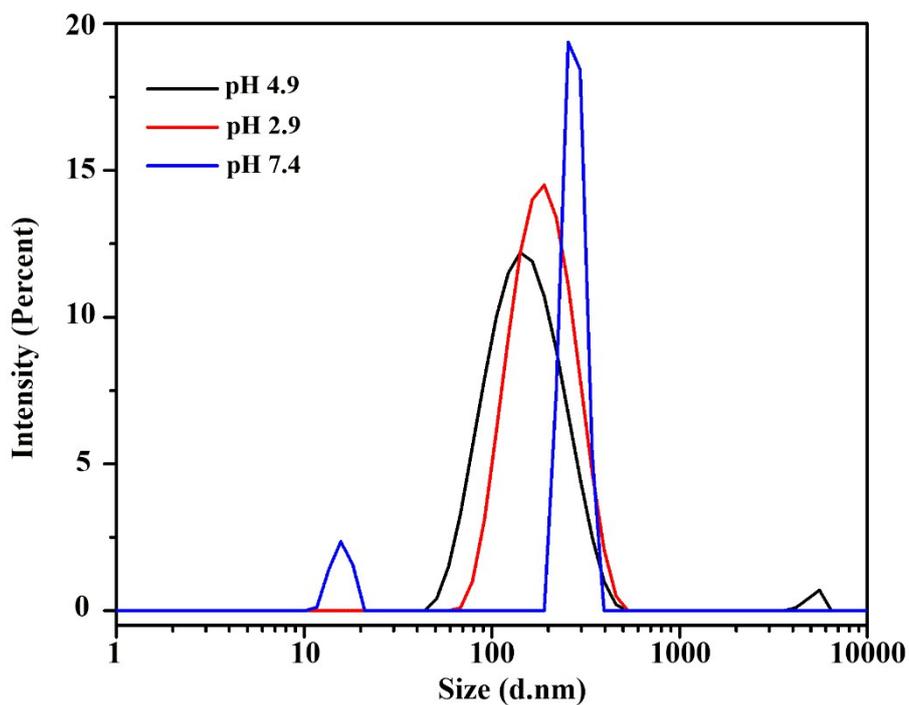


Fig. S10 DLS size distributions recorded for PMARGD at different pH values.

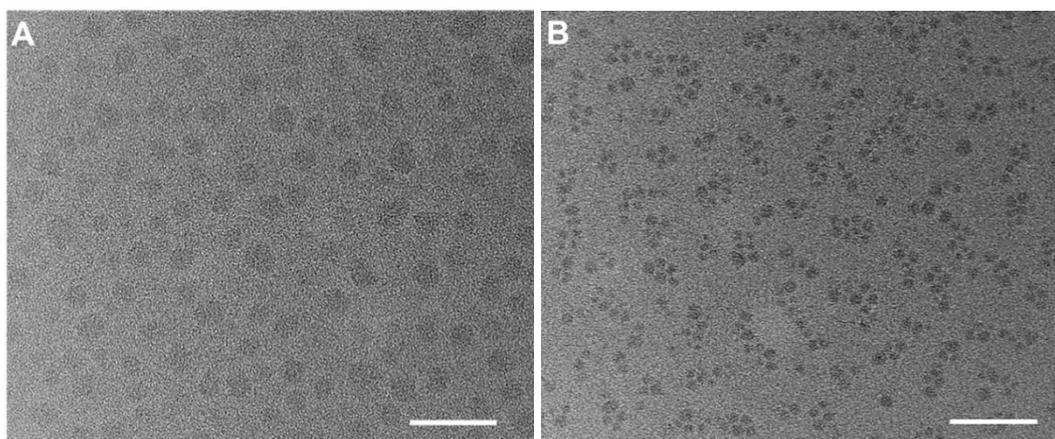


Fig. S11 TEM images for PMARGD at (A) pH 2.9 and (B) pH 4.9. Scale bars represented 100 nm.

Table S1. Zeta potential of PMARGD measured at different pH values.

pH	2.9	4.9	7.4
Zeta Potentials (mv)	+15.2	+37.2	-3.9

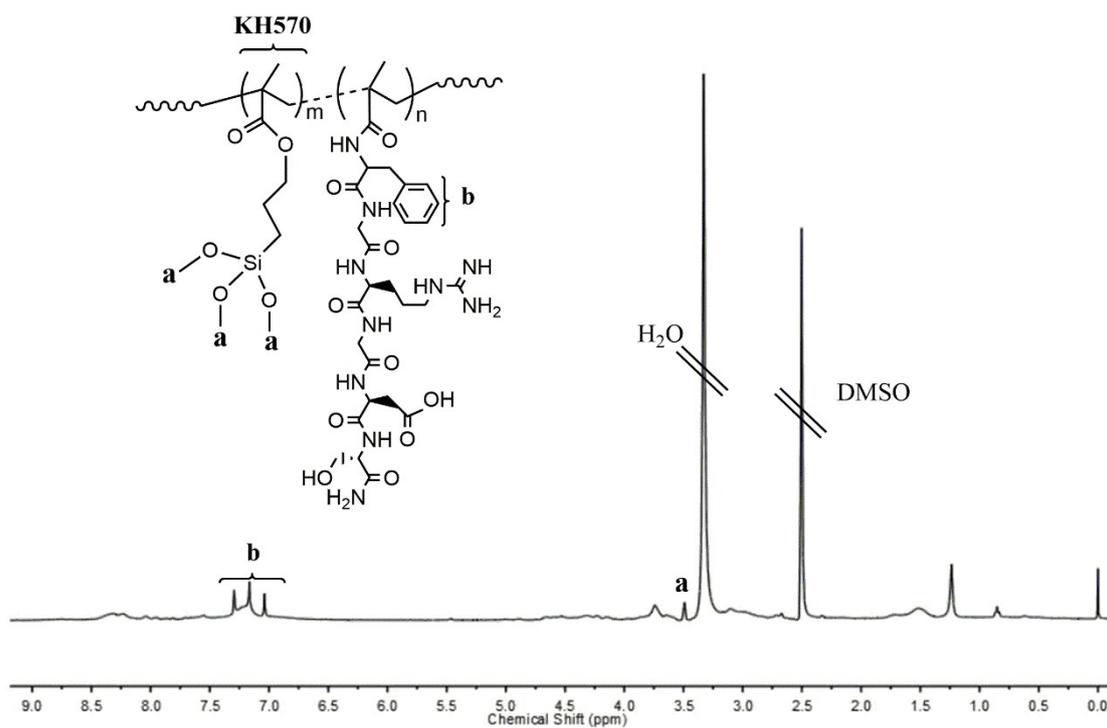


Fig. S12 ¹H NMR spectrum of random copolymer of MARGD and KH570 in DMSO-*d*₆.

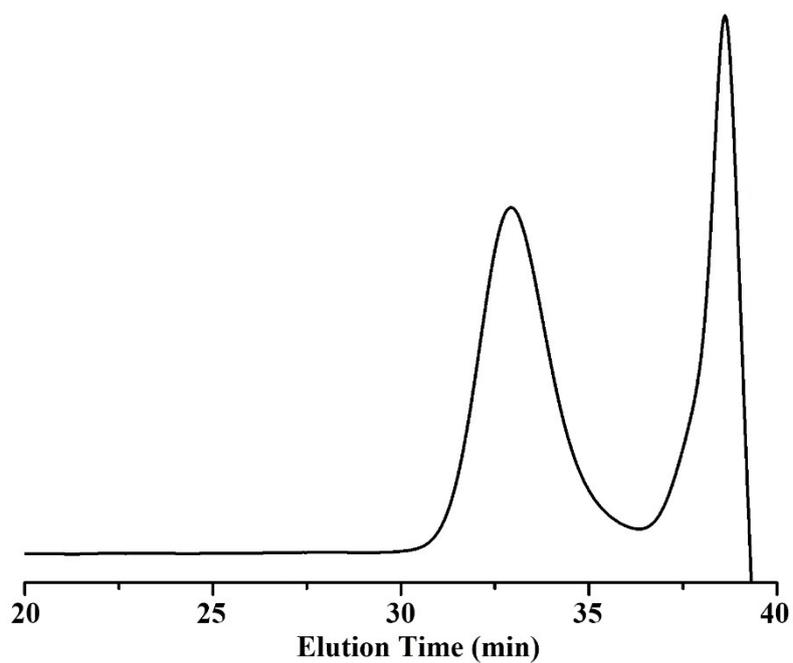


Fig. S13 GPC trace for PMARGD-*co*-PKH570 (M_n 12.9 kDa; \bar{D} 1.21).

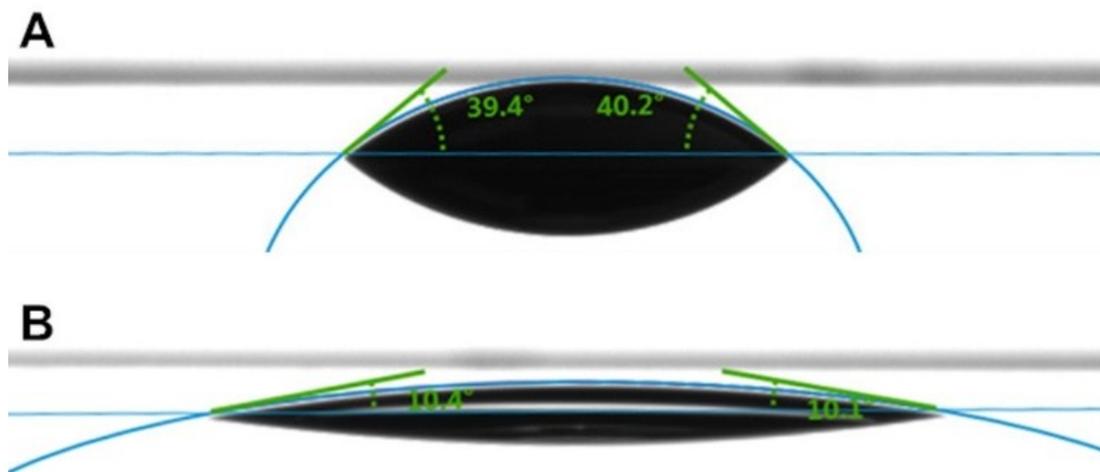


Fig. S14. Contact angle results for (A) unmodified glass slide and (B) PMARGD-*co*-PKH570 modified glass slide