

Supplementary Materials: Ligand Installation to Polymeric Micelles for Pediatric Brain Tumor Targeting

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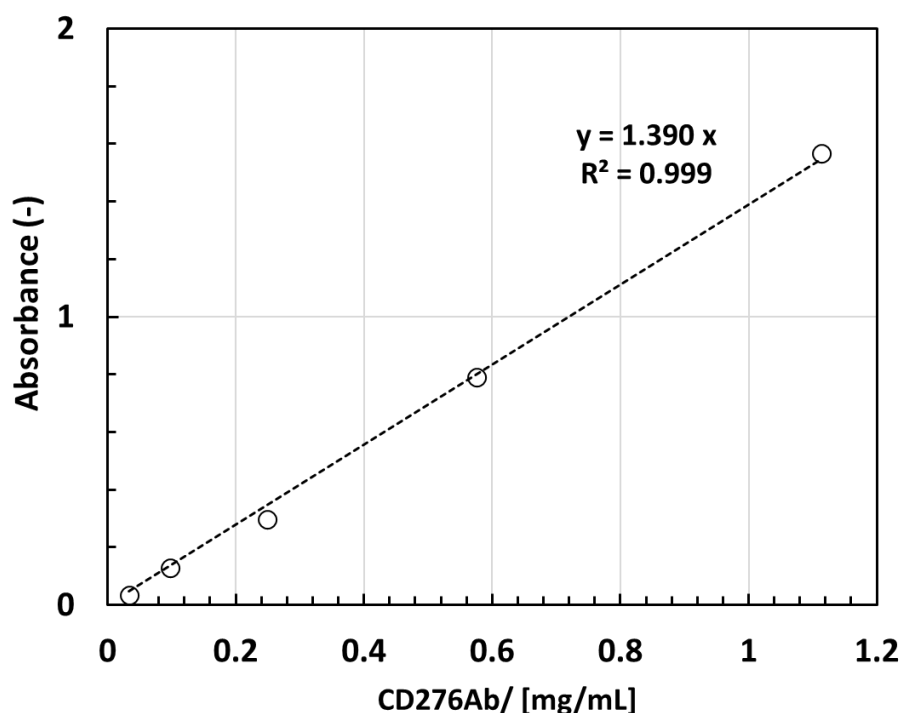


Figure S1. Calibration curve showing the linear range of CD276Ab's absorbance at 280 nm in relation to its concentration. Linearity was detected up to 1.1 mg/m with and R^2 of 0.999.

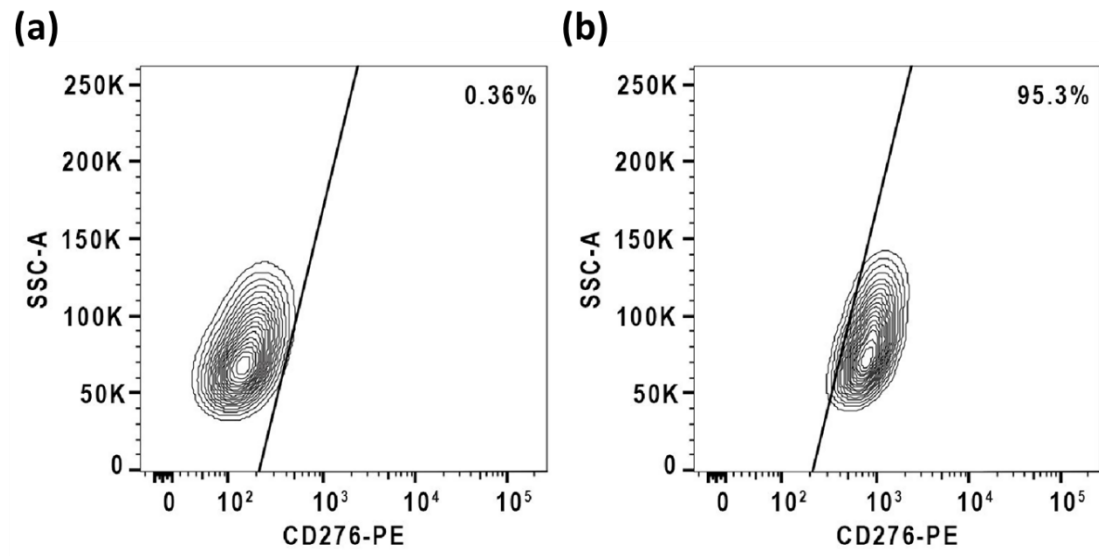


Figure S2. Counter plot of DAOY cells with isotype (A) and a PE-conjugated anti-CD276 antibody (B).

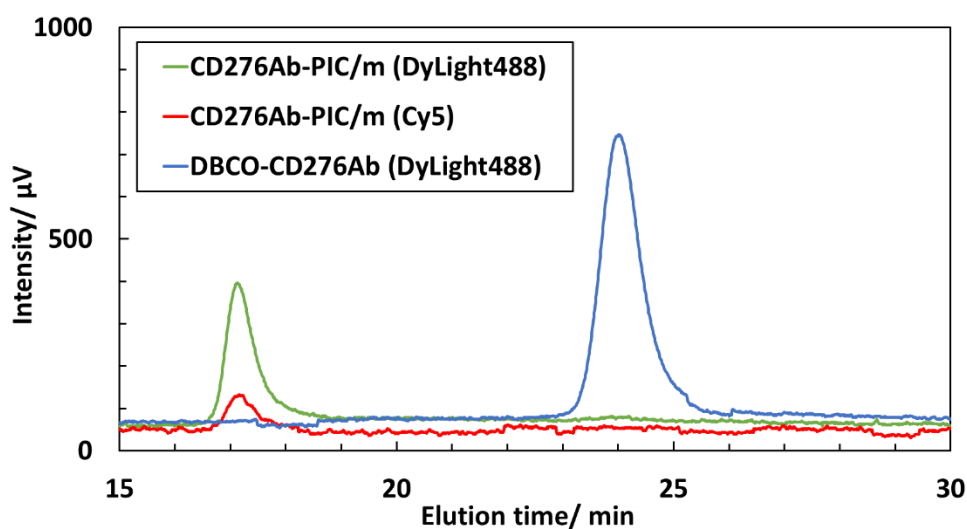


Figure S3. Chromatogram traces of CD276Ab-PIC/m (green), CD276Ab-PIC/m (red), and DBCO-CD276Ab (blue). The fluorescence of DyLight 488 conjugated to the CD275Ab was used for the detection of CD276Ab-PIC/m and DBCO-CD276Ab (Excitation: 493 nm, emission: 518 nm), while the fluorescence derived from Cy5 was used for the detection of CD276Ab-PIC/m (Excitation: 643 nm, emission: 667 nm). Flow rate: 0.5 mL/min, eluent: 10 mM phosphate buffer (pH 7.4), 500 mM NaCl.

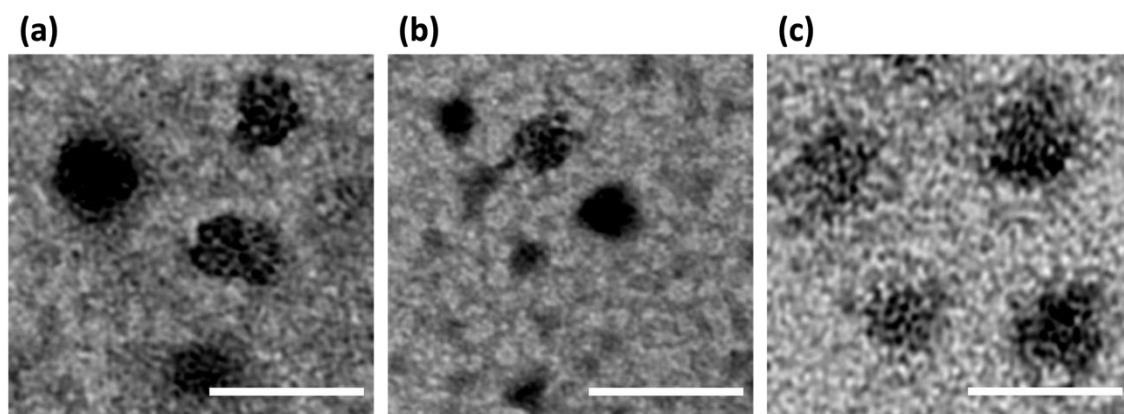


Figure S4. TEM images of (a) N₃-PIC/m, (b) CD276Ab(1)-PIC/m, and (c) CD276Ab(2)-PIC/m. Scale bars indicate 50 nm.

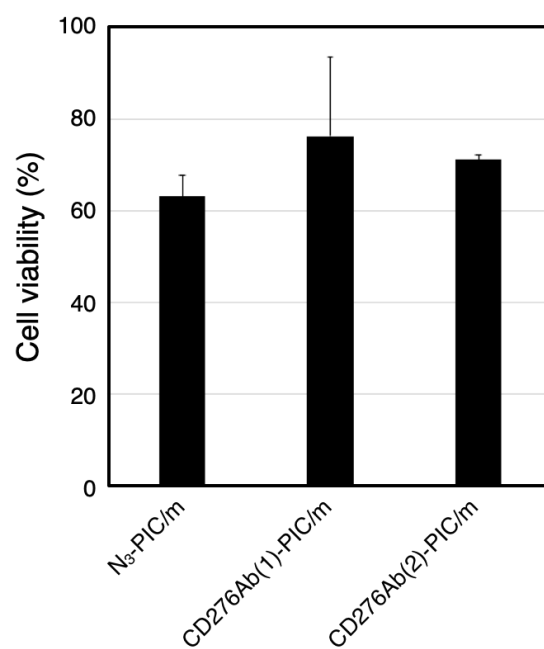


Figure S5. Viability of DAOY cells incubated with N₃-PIC/m, CD276Ab(1)-PIC/m, and CD276Ab(2)-PIC/m.