Supporting Information

Targeting and Internalization of Liposomes by Bladder Tumor Cells Using a Fibronectin Attachment Protein-derived Peptide-Lipopolymer Conjugate

Young Lee, Erin Kischuk, Scott Crist, Timothy L. Ratliff, David H. Thompson*
Purdue University Center for Cancer Research
Multi-disciplinary Cancer Research Facility
Purdue University
1201 W. State Street
West Lafayette, IN 47907

* Corresponding author
E-mail address: davethom@purdue.edu

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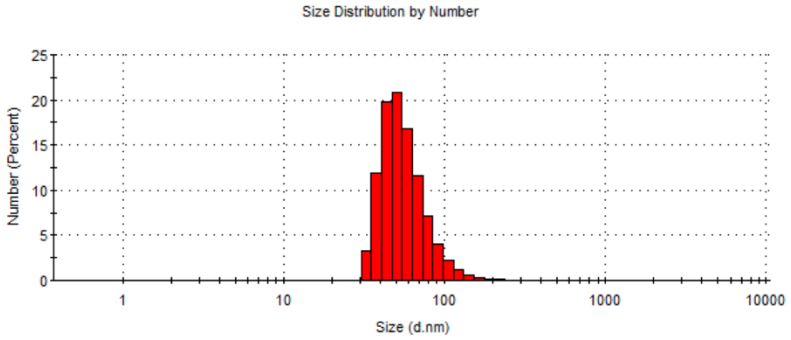
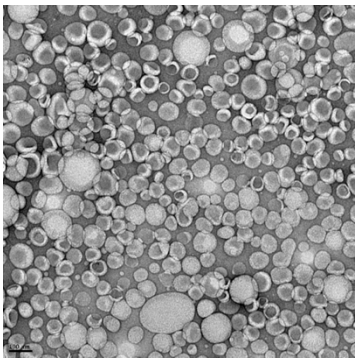


Figure SI 1b: Negative Stain TEM Image of Liposomes Containing 2 mol% RWFV Lipopeptide (58.5:35:4:2:0.5 mol% DPPC:Chol:mPEG1000-DSPE:RWFV-PEG2000-DSPE:Cy5.5-DSPE).



Cytotoxicity of FAP Peptide-targeted Liposomes by Live/Dead Analysis

Figure SI 2. Cell viability of MB49 cells exposed to the liposomes incorporating different functionalized lipopeptides (non-targeted, 2 mol% mPEG2000-DSPE; scrambled, 2 mol% WVRF-PEG2000-DSPE; and targeted, 2 mol% RWFV-PEG2000-DSPE). The liposomes were incubated with MB49 cells for 1 h at 37 °C, followed by aspiration of the media, washing of the cells with PBS, trypsinization, and incubation with 0.5μL LIVE/DEAD® cell stains for 20 min in the dark. The fluorescence intensities of the live and dead cells was analyzed by flow cytometry using the FL1 channel. Liposome diameter: 52 nm. 62.5:35:2:0.5 DPPC:Chol:X:Cy5.5-DSPE, where X = RWFV-PEG2000-DSPE (targeted), WVRF-PEG2000-DSPE (scrambled), or mPEG2000-DSPE (non-targeted). Control: no liposome treatment. Error bars indicate the standard deviation of the mean with *n*=3.