Hep3B cell line (ATCC HB-8064) was maintained in EMEM with 10% FBS at 37 °C in a humidified atmosphere (air supplemented with 5% CO2) and passaged with 0.05% trypsin at a subcultivation ratio of 1:3. Cells were exposed to various concentrations (particles/mL) of siRNA loaded in SP94-targeted DOPC protocells or DOTAP lipid nanoparticles. siRNA payload comprised a siRNA cocktail specific for cyclins A2, B1, D1, and E. Samples were incubated at 37 °C for 48 h. the number of apoptotic Hep3B was quantified using the annexin V/propidium iodide assay.