**Supplementary Figure S1.** **Physicochemical characterization of liposome-pheophorbide A (Lipo-PhA) for photodynamic therapy (PDT).** **(A)** Field emission transmission electron microscopy (FE-TEM) images of liposome and Lipo-PhA. Dynamic light scattering analysis determining hydrodynamic size **(B)** and zeta potential **(C)** of Lipo-PhA. **(D)** UV-Vis spectrum of Lipo-PhA demonstrating a characteristic peak at 674 nm.

**Supplementary Figure S2**. **Combination therapy induced CXCL10+CD103+ DCs in tumor draining lymph nodes (TDLNs).** Percentage of CXCL10+ cells gated from CD103+CD11c+ cells in TDLNs at 7 days posttreatment. The results are presented as the means ± the SEM, and statistical analysis was performed by the one-way ANOVA using the GraphPad Prism software. \*, *P* < 0.05; \*\*, *P* < 0.01; and \*\*\*, *P* < 0.001.