

Supporting Information

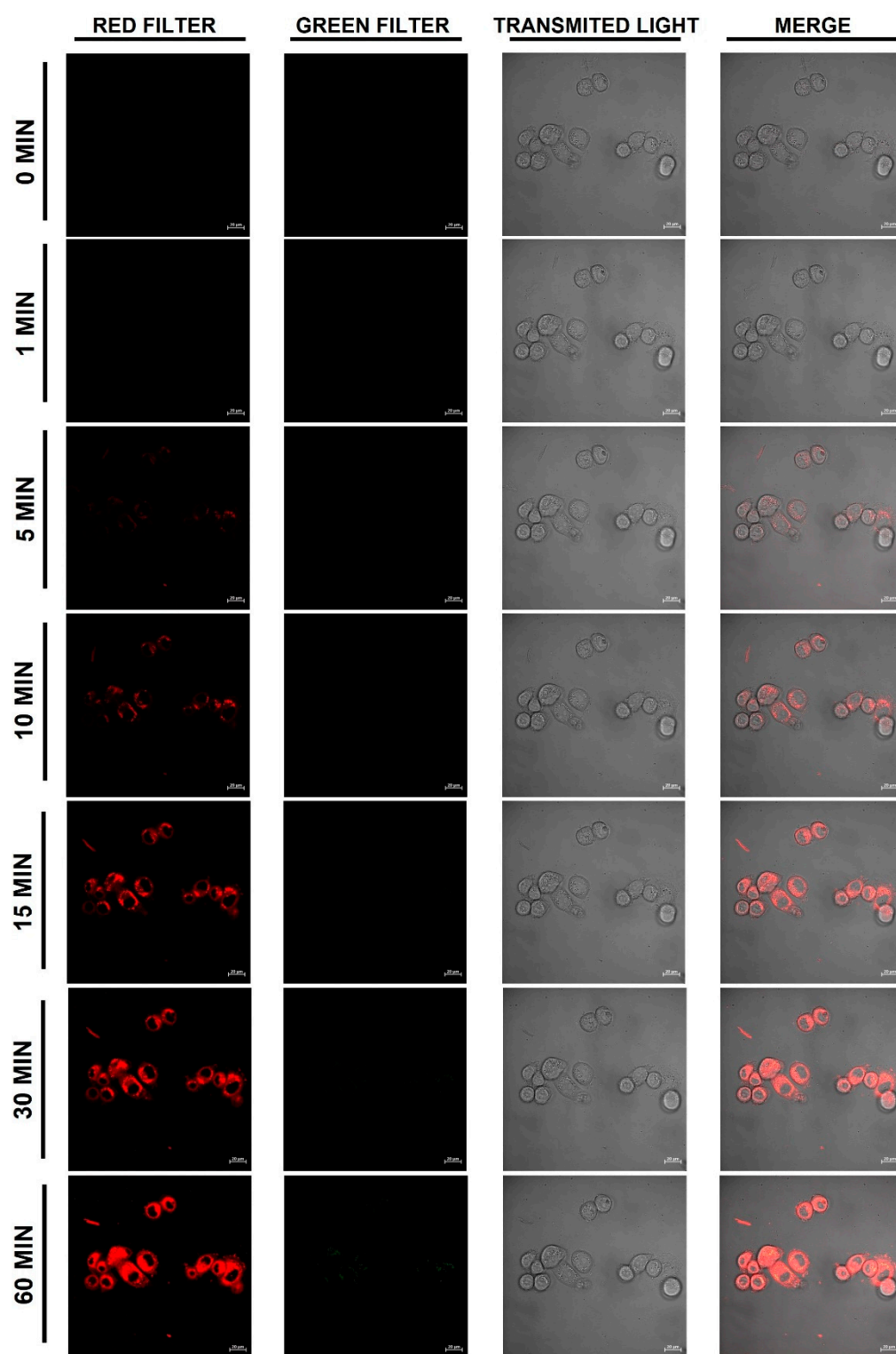


Figure S1. *Confocal microscopy of SKBR3 (scale bar = 20 μ m) incubated with NR-LLNCs. Bare LLNCs were used as control.*

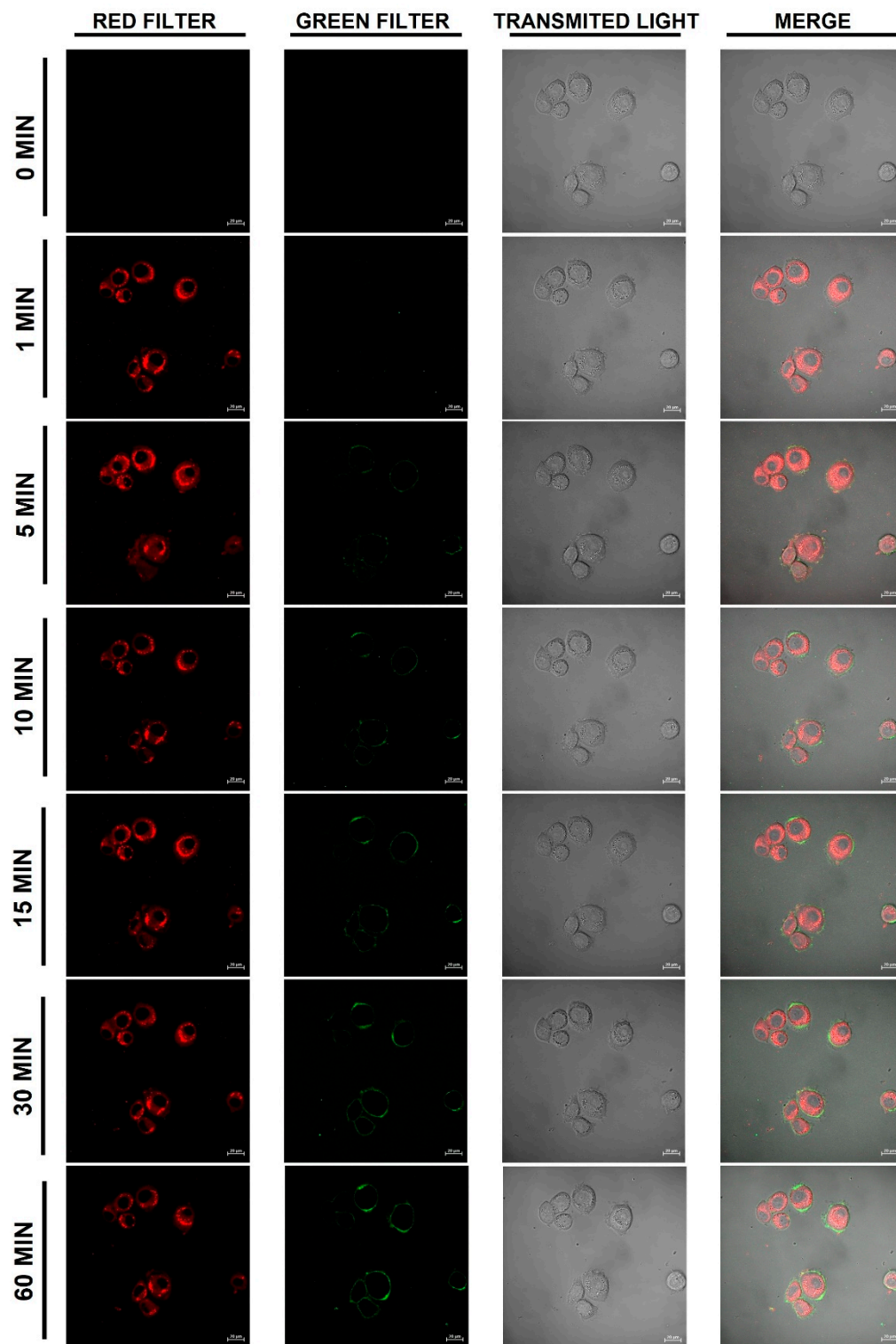


Figure S2. *Confocal microscopy of SKBR3 (scale bar = 20 μ m) incubated with NR-LLNCs-HER2. Bare LLNCs were used as control.*

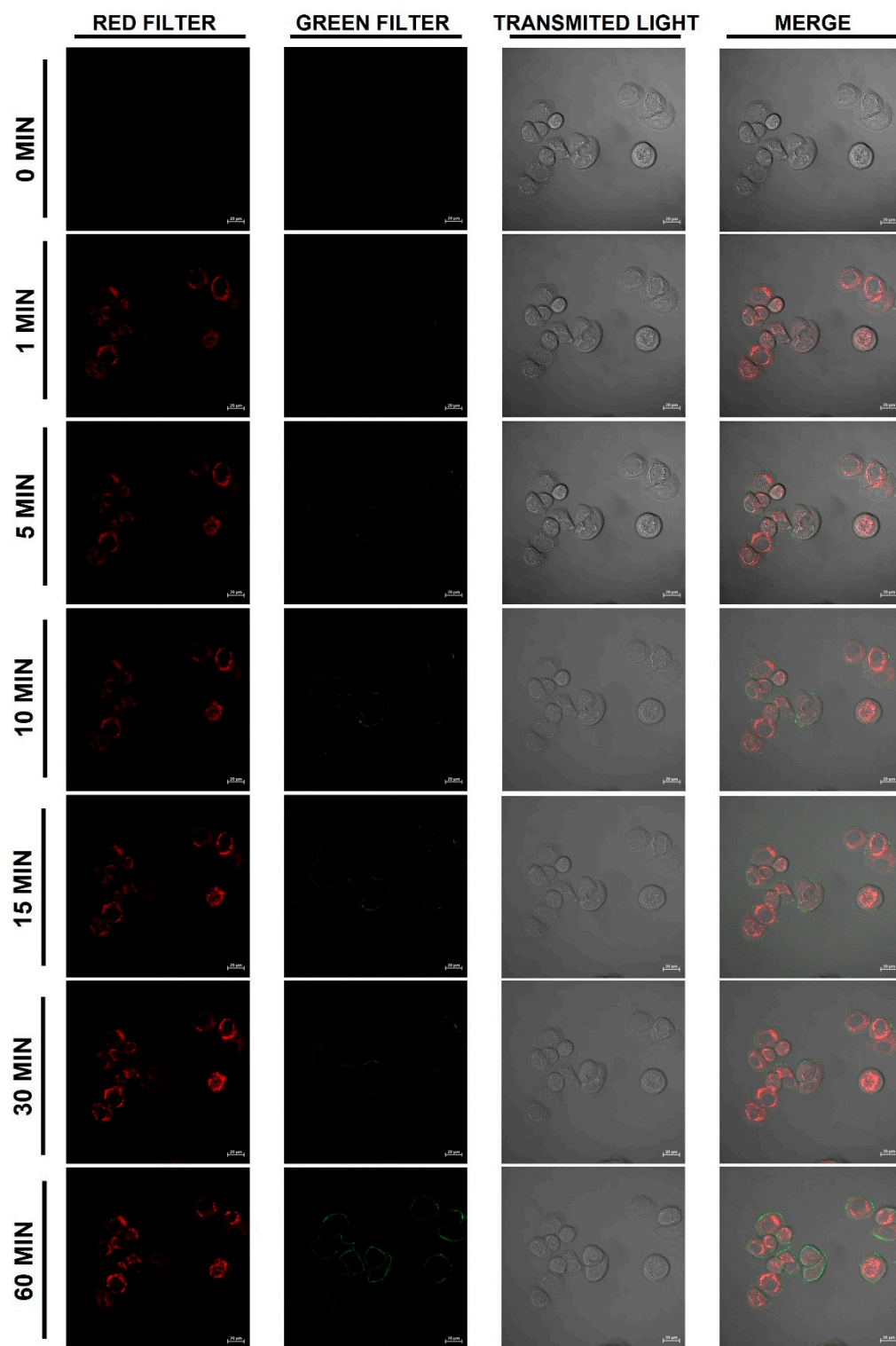


Figure S3. *Confocal microscopy of SKBR3 (scale bar = 20 μ m) incubated with NR-LLNCs-HER2-PC. Bare LLNCs were used as control.*

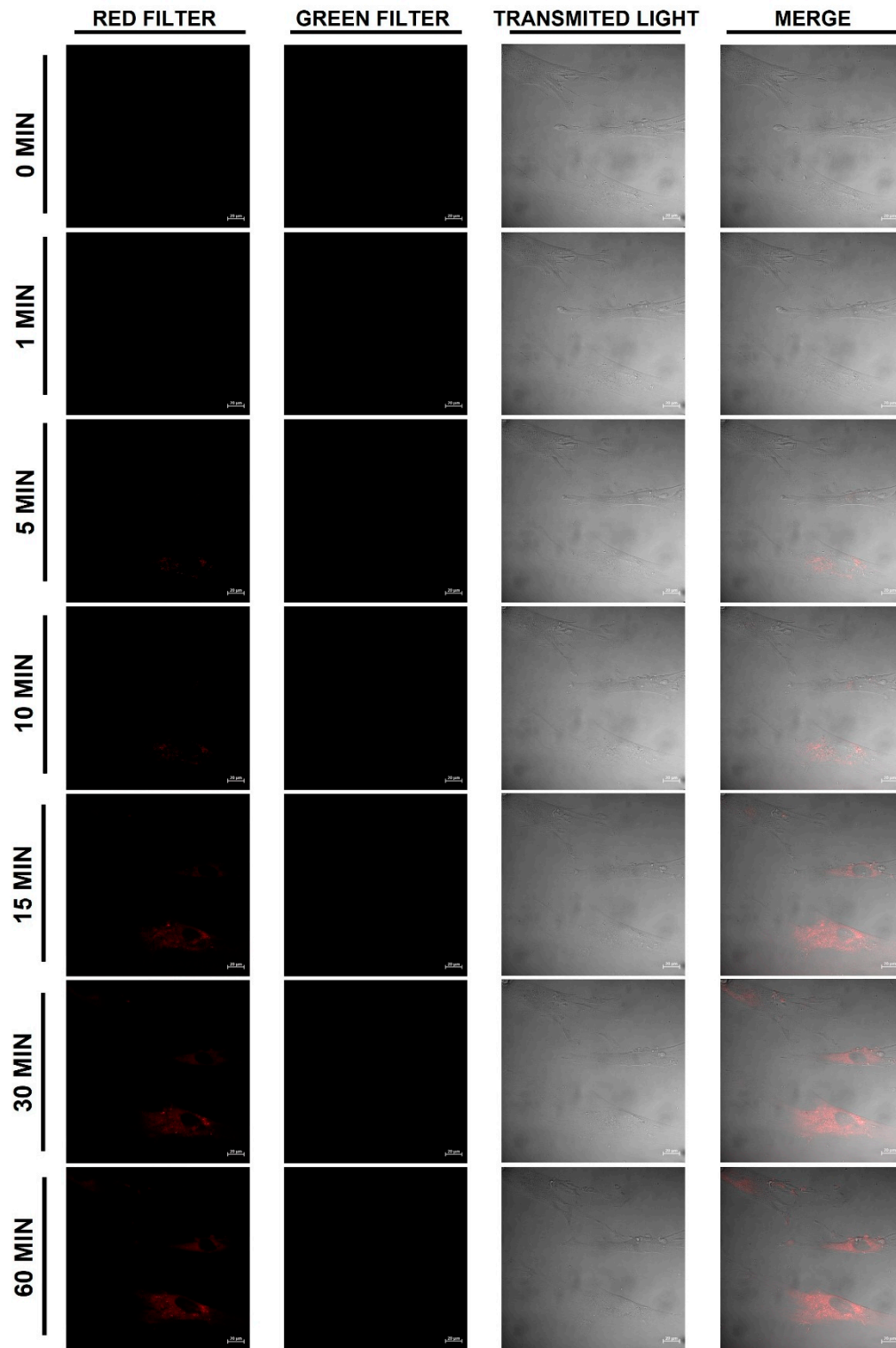


Figure S4. *Confocal microscopy of human Fibroblasts (scale bar = 20 μ m) incubated with NR-LLNCs. Bare LLNCs were used as control.*

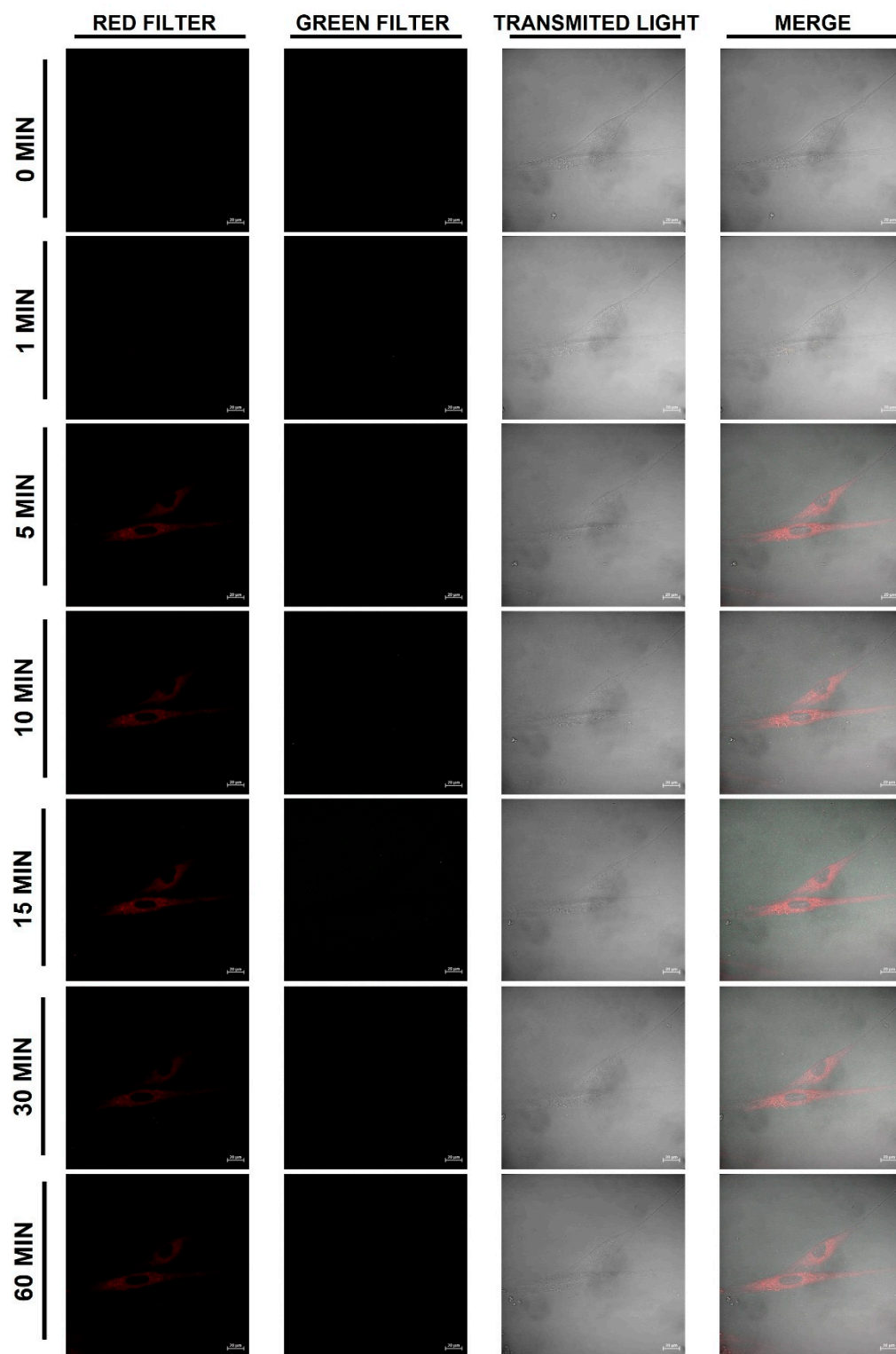


Figure S5. *Confocal microscopy of human Fibroblasts (scale bar = 20 μ m) incubated with NR-LLNCs-HER2. Bare LLNCs were used as control.*

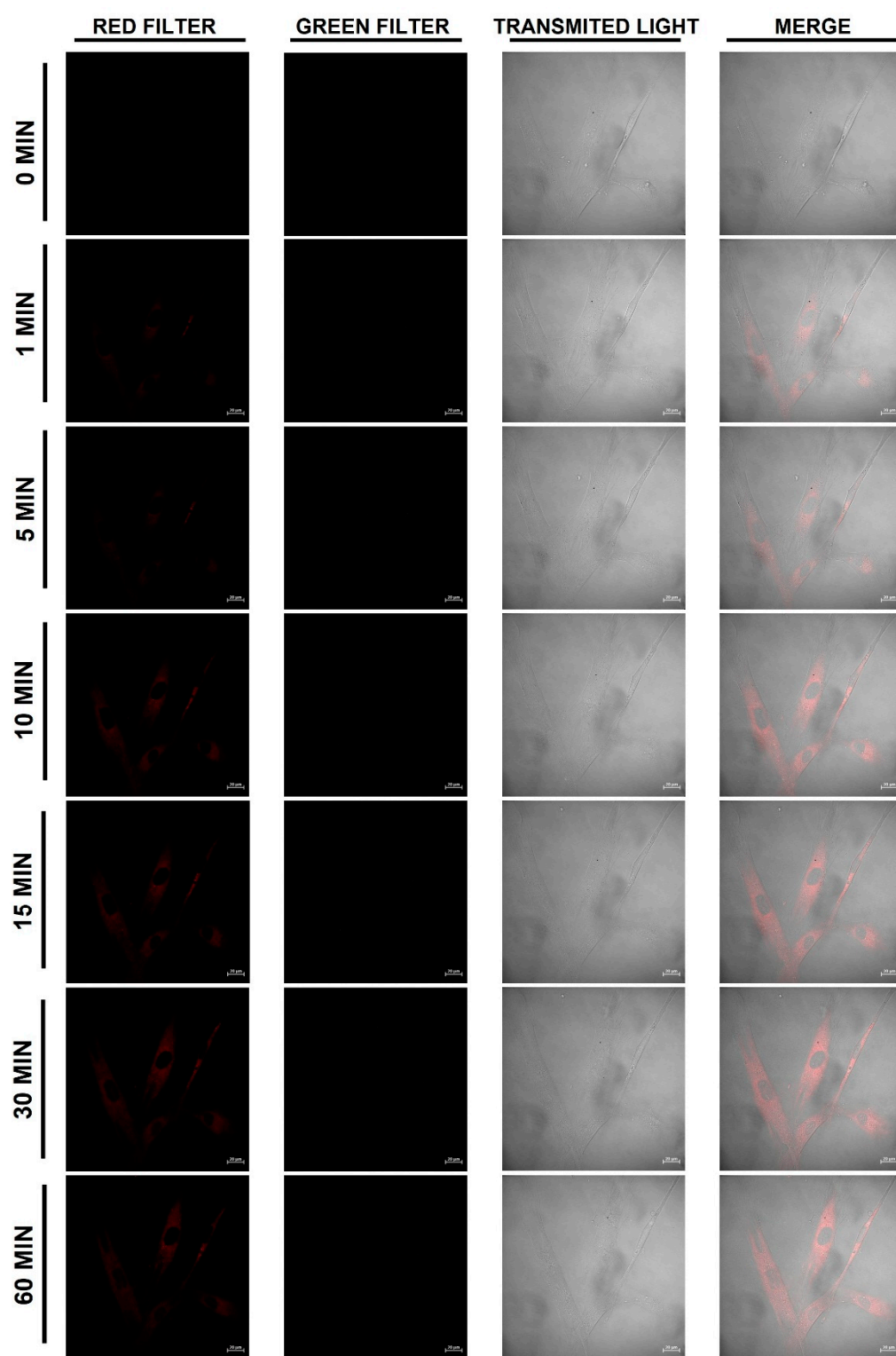


Figure S6. *Confocal microscopy of human Fibroblasts (scale bar = 20 μ m) incubated with NR-LLNCs-HER2-PC. Bare LLNCs were used as control.*

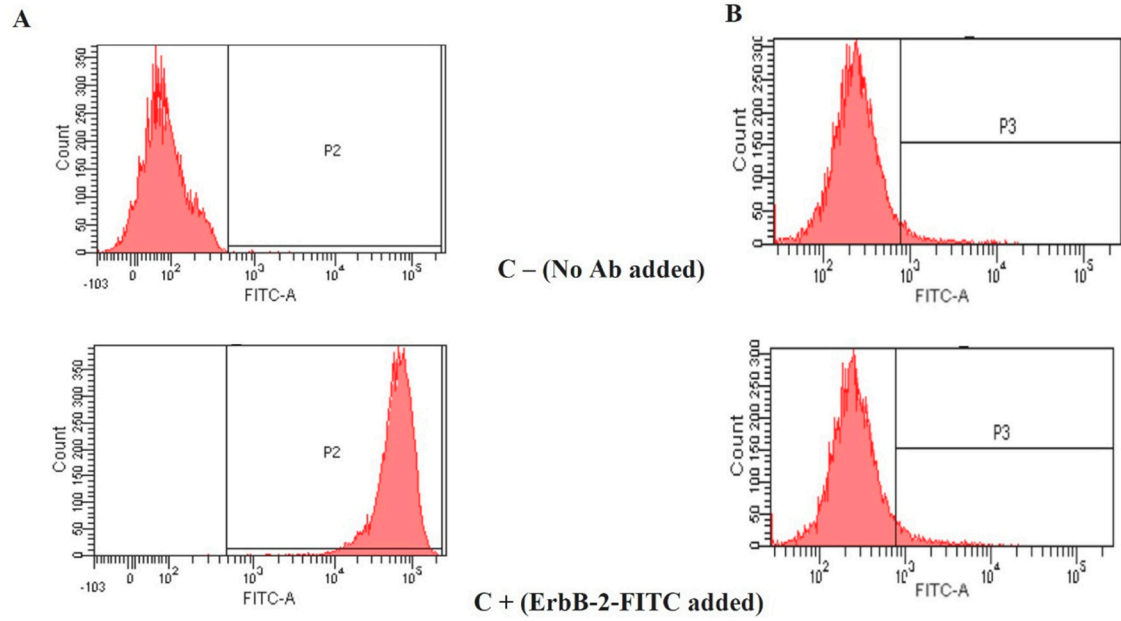


Figure S7. Characterization of HER2 level expression in both SKBR3 and HDFa by flow cytometry. (A) Representative fluorescence intensity histograms of SKBR3. (B) Representative fluorescence intensity histograms of human HDFa.

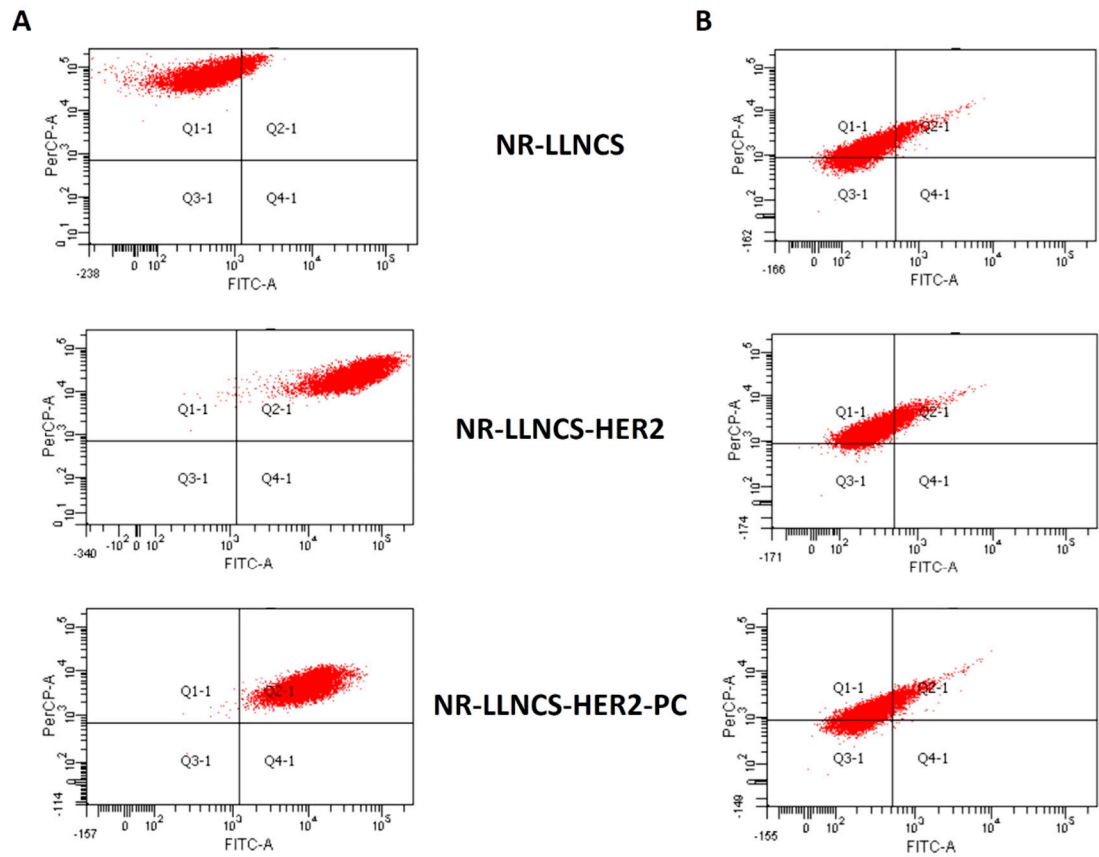
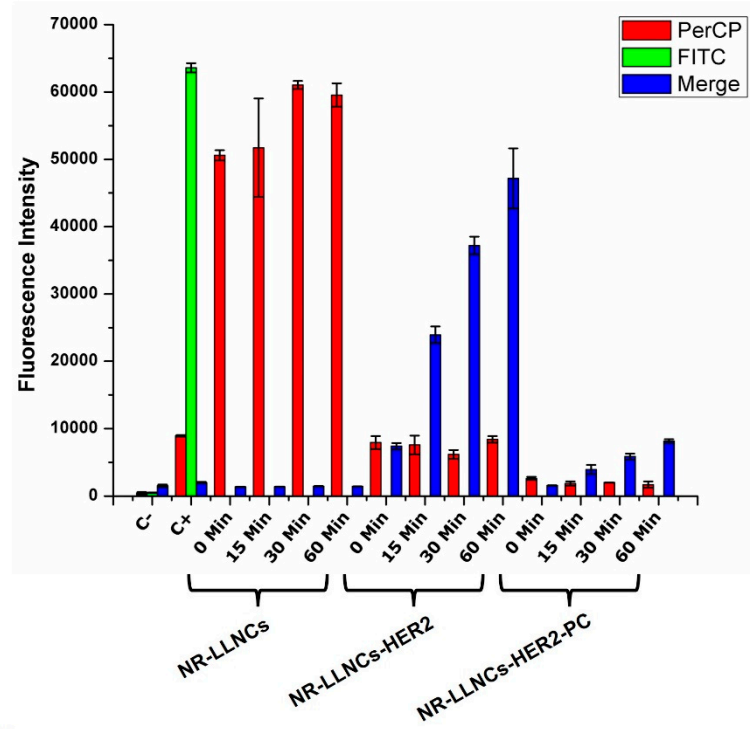


Figure S8. Representatives dot plots of *in vitro* uptake of NR-LLNCs, NR-LLNCs-HER2 and NR-LLNCs-HER2-PC in both SKBR3 and HDFa at 60 mins by flow cytometry. **(A)** Representative dot plots of SKBR3. **(B)** Representative dot plots of human HDFa.

A



B

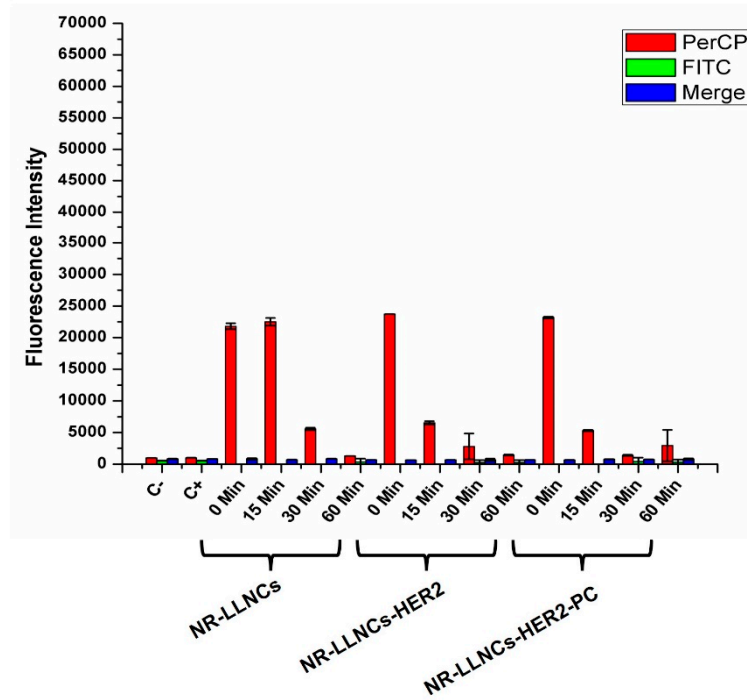


Figure S9. Uptake of LLNCs, LLNCs-HER2 and LLNCs-HER2-PC in (A) SKBR3 and (B) HDFa analyzed by flow cytometry.