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Supporting Information

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for

Fluorescent Detection of Apoptotic Cells by Using Zinc Coordination Complexes with a Selective Affinity for Membrane Surfaces Enriched with Phosphatidylserine

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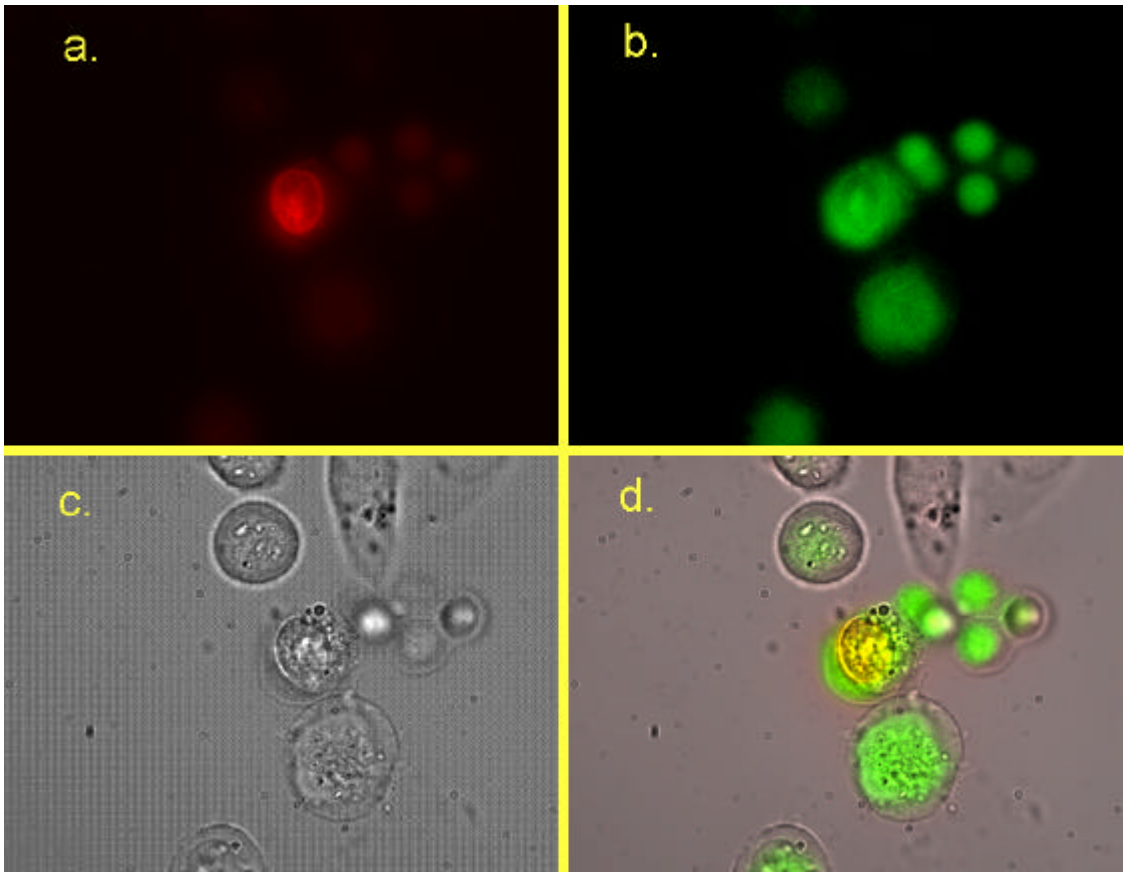

Figure S1: Fluorescence micrographs (60X magnification) of CHO cells treated with camptothecin (10 μM) for 3.5 h to induce apoptosis, then stained with PSS-480 (15 μM) and the nuclear stain 7AAD (500 ng/mL). Fluorescence of cells stained with 7AAD is shown in (a), fluorescence of cells stained with PSS-480 is shown in (b). Phase contrast image of treated cells is shown in (c). Overlay of both (a) and (b) onto phase contrast image in (d).

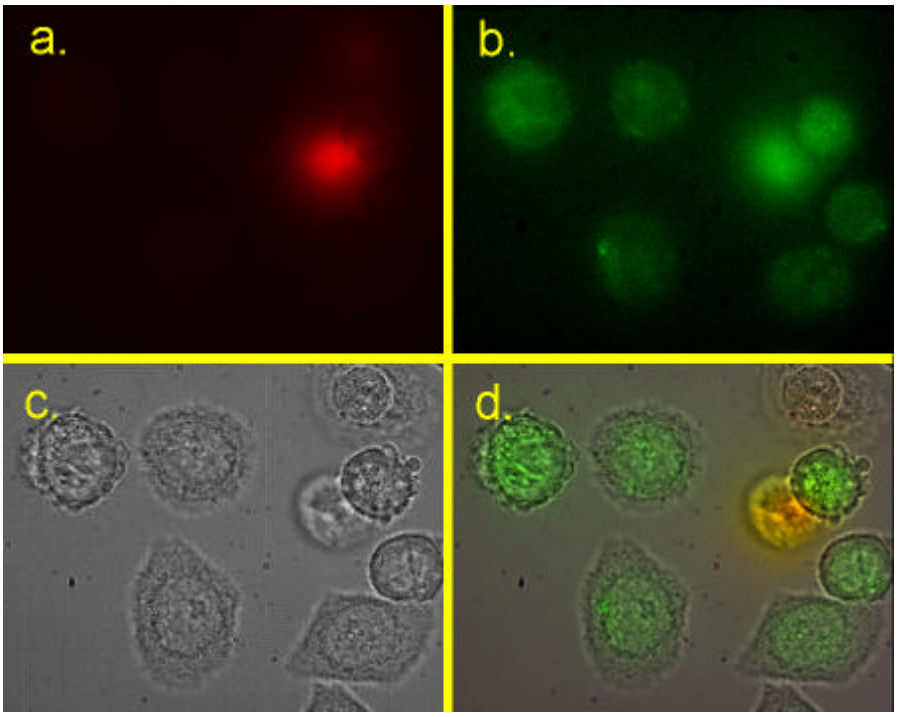

Figure S2: Fluorescence micrographs (60X magnification) of HeLa cells treated with camptothecin (10 μM) for 3.5 h to induce apoptosis, then stained with PSS-480 (15 μM) and the nuclear stain 7AAD (500 ng/mL). Fluorescence of cells stained with 7AAD is shown in (a), fluorescence of cells stained with PSS-480 is shown in (b). Phase contrast image of treated cells is shown in (c). Overlay of both (a) and (b) onto phase contrast image in (d).

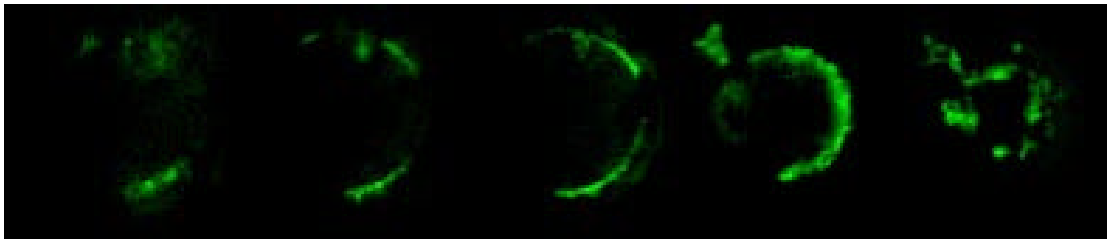

Figure S3: Cell surface labeling of a single Jurkat cell from a population treated with 10 μM camptothecin for 3.5 h to induce apoptosis. Images are 0.5 μm slices (60x magnification) taken through the cell separated by 2.5 μm. Cells were treated with 10 μM PSS-Green-QD. Exclusion of PSS-Green-QD from the interior of the cell indicates that only surface staining takes place.

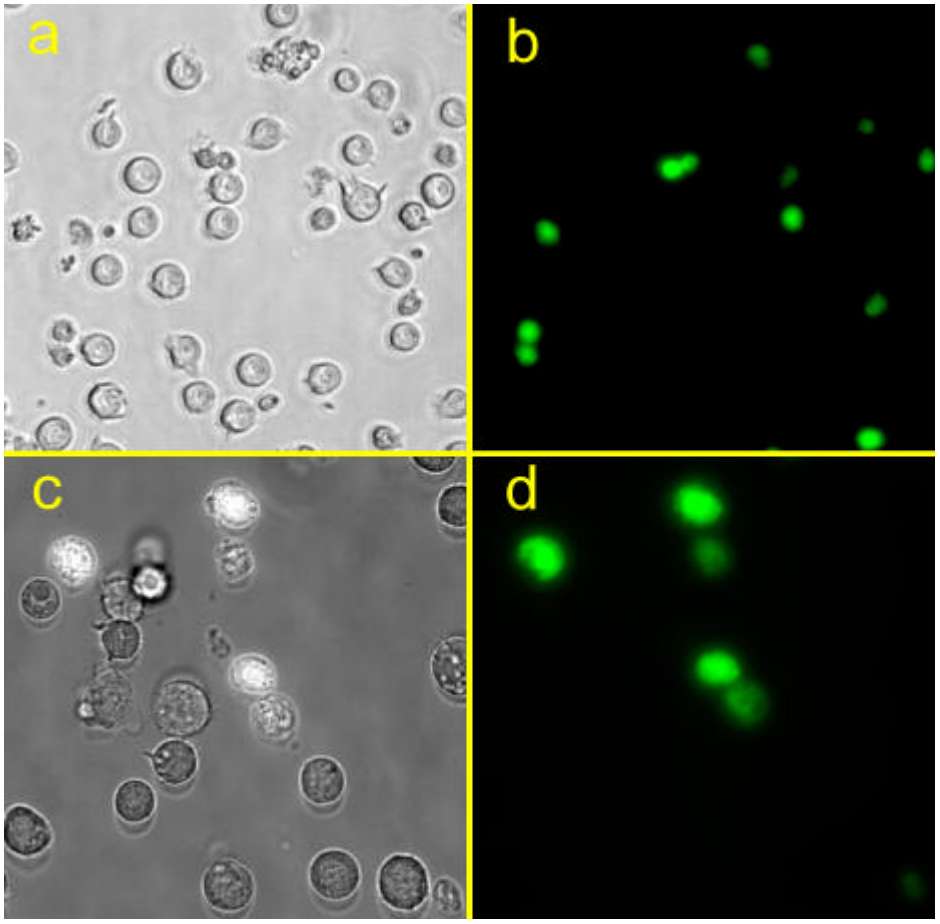

Figure S4: *Top:* Phase contrast and fluorescence images (a and b, respectively) of a field of Jurkat cells treated with 10 μM PSS-480 at 0 °C. *Bottom:* Phase contrast and fluorescence images (c and d, respectively) of a field of Jurkat cells treated with 10 μM PSS-480 at 37 °C. Apoptosis was induced by treatment with camptothecin (10 μM) for 3.5 h prior to staining. (60x magnification)