













hD7 (VL-VH) PE40









**Supplementary Figure S2:** The immunotoxin hD7-1(VL-VH)-PE40 induces MOMP in PSMA expressing LNCaP and C4-2 cells. Percentage of MOMP-positive cells was determined with help of the Rho-123 assay. Cycloheximide was used as control.



**Supplementary Figure S3:** Influence of ABT-737 on the viability of PC cells. (a) LNCaP (b) C4-2 and (c) PC3 cells were incubated with ABT-737. Cell viability was determined after 48 h by WST-1 test.



**Supplementary Figure S4:** Body weight analysis of mice treated with different doses of ABT-737 on day 1. Mean  $\pm$  SD of three mice per group.



Supplementary Figure S5: ABT-737 induced transient thrombocytopenia in mice, which was accompanied by slight leukocytosis. SCID mice were treated with different doses of ABT-737. Control mice received the dilution buffer as vehicle. After different time points blood was drawn and blood cells were counted. Mean  $\pm$  SD. Statistically significant differences were determined with unpaired t-test: \*p<0.05, \*\*\*p<0.001.