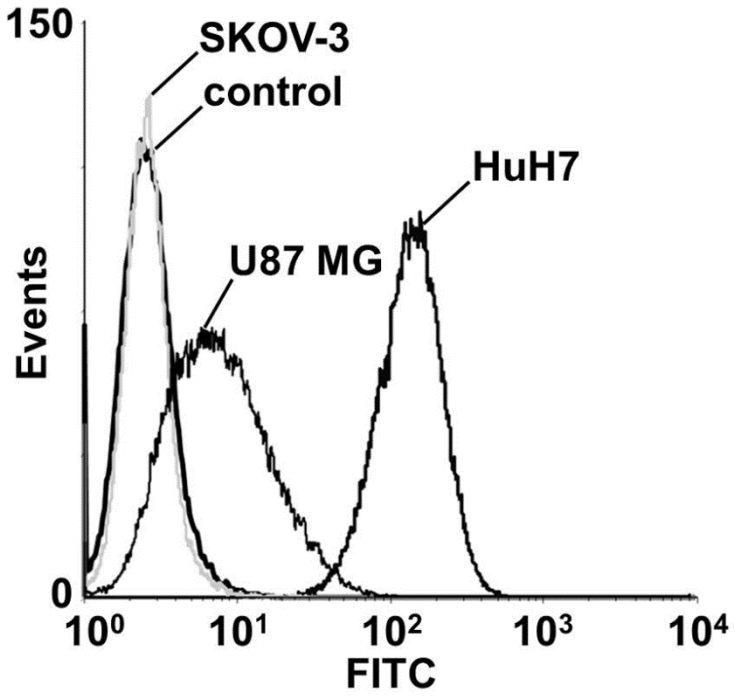
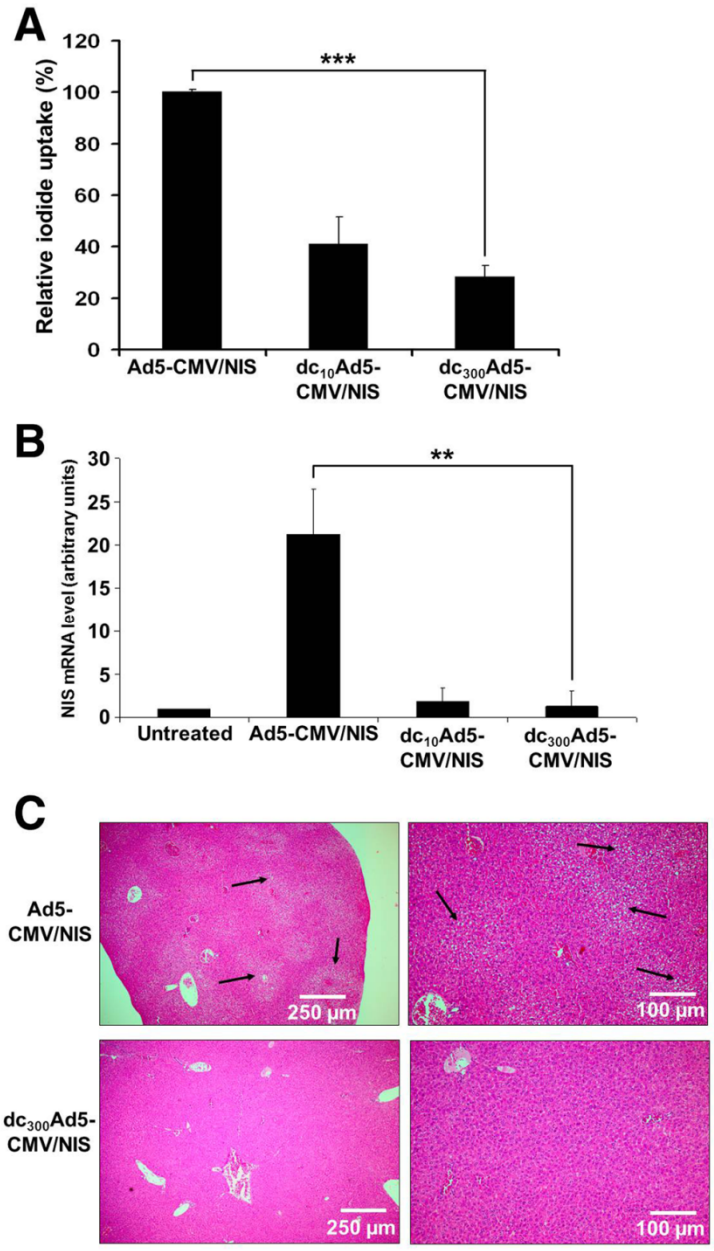


SUPPLEMENTAL FIGURE 1

Fluorescence-Activated Cell Scanning (FACS) Analysis of CAR Expression

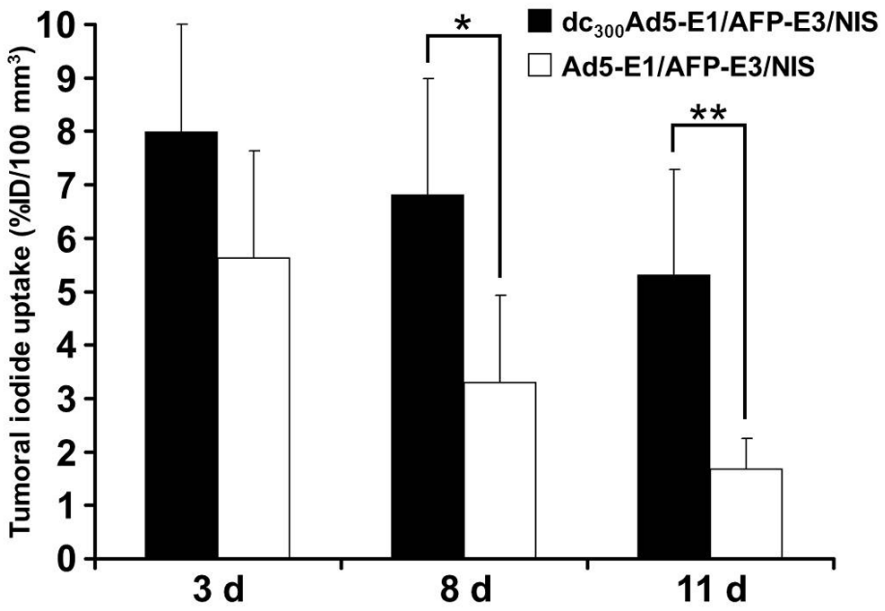
FACS analysis revealed high levels of CAR expression on the cell surface of HuH7, low CAR levels on U87 MG cells, and confirmed SKOV-3 cells to be CAR-negative.



SUPPLEMENTAL FIGURE 2

Adenoviral NIS Gene Transfer and Toxicity

Hepatic accumulation of ^{123}I after i.v. injection of Ad5-CMV/NIS was significantly reduced (up to 70%) by coating of the virus (A). These results were further confirmed by analysis of hepatic NIS mRNA expression (B) and correlated well with a simultaneous reduction of liver toxicity as seen by H/E staining of liver tissue (C).



SUPPLEMENTAL FIGURE 3

Quantification of Tumoral Iodine Uptake

Serial quantification of tumoral iodide uptake activity over several days confirmed significantly higher levels of tumor-specific, NIS-mediated iodide accumulation after i.v. injection of dc_{300}Ad5-E1/AFP-E3/NIS as compared to injection of Ad5-E1/AFP-E3/NIS.