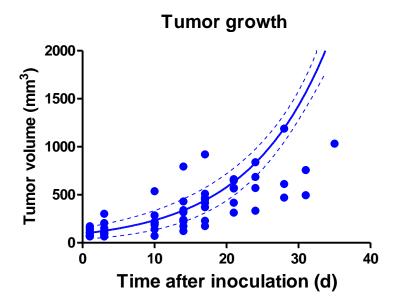


Supplemental Fig.1 Evaluation of distribution of ¹⁷⁷Lu-HP2 in kidneys. Two BALB/C nu/nu mice were injected with 100 μ g (7.6 nmol) Z_{HER2:342}-SR-HP1 each. ¹⁷⁷Lu-HP2, 3 μ g (1 MBq) per mouse, was injected 16 h later. Animals were sacrificed 1 h after injection of ¹⁷⁷Lu-HP2. Kidneys were excised and 20 μ m-cryosections were prepared. Distribution of radioactivity in the sections was measured by digital autoradiography using a Cyclone Storage Phosphor System (PerkinElmer). (A) and (C) show digital autoradiography of a kidney. (B) and (C) show distribution of radioactivity along the lines marked in /A) and (C), respectively.



Supplemental Fig.2 SKOV-3 xenograft growth data, which were used for calculations of absorbed doses to tumors.