SUPPORTING INFORMATION AVAILABLE

Supplemental figure 1.

Change in fluorescence signal in HER2 positive and HER2 negative tumors. One day after the Tra-Alexa680-biotin (50 μg, iv) injection, avidin (250 μg, iv) was injected to each mouse. Fluorescence images were obtained in the same manner as described above at 5, 30, 60, 180, 360, 720 and 1440 min after the avidin injection (A). The additional nAv-QSY21 injection (250 μg, iv) was performed 30min after the avidin injection to investigate the quenching effect, and images were obtained in the same manner at 5, 30, 60, 180, 360, 720 and 1440 min after the nAv-QSY21 injection (B). The additionally injected nAv-QSY21 decreased the fluorescence only from HER2 negative tumor. Because the chase effect is mostly performed by previous avidin treatment, these results show the quenching effect of nAv-QSY21. This information is available free of charge via the Internet at http://pubs.acs.org.