Supporting information Figure S5: Growth ability of titanium dioxide-treated J774 cells

A: light microscopy image of control cells.
B: scattering parameters of the control cells in the FACS. The dotted line shows the sorting window for control cells.
C: light microscopy image of titanium dioxide-treated cells (100µg/ml, 24 hours).
D: scattering parameters of the titanium dioxide-treated cells in the FACS. The dotted line shows the sorting window for titanium dioxide-loaded cells.

E: Cell density (O.D. 590nm) vs. Days after plating

F: d1, d6
G: d1, d2, d4, d6

This figure represents the various steps of the sorting and growth experiment. A: light microscopy image of control cells. B: scattering parameters of the control cells in the FACS. The dotted line shows the sorting window for control cells. C: light microscopy image of titanium dioxide-treated cells (100µg/ml, 24 hours). D: scattering parameters of the titanium dioxide-treated cells in the FACS. The dotted line shows the sorting window for titanium dioxide-loaded cells.
E: growth curve of the control cells (crosses) and titanium dioxide-treated cells (squares) after sorting and plating at 100,000 cells/ml. Doubling time: 37 hours for control cells and 22 hours for titanium dioxide-treated cells.
F: light microscopy image of sorted control cells at day 1 and day 6 after plating
G: light microscopy image of sorted, titanium dioxide containing cells at day 1, 2, 4 and 6 after plating.