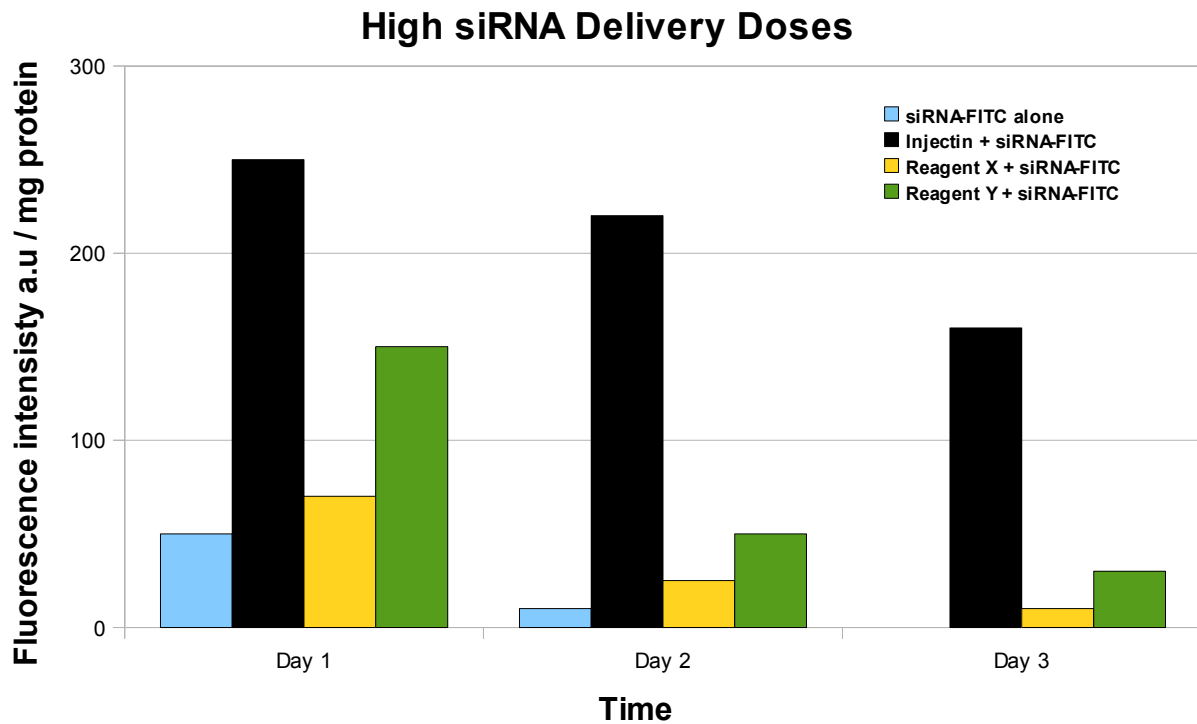
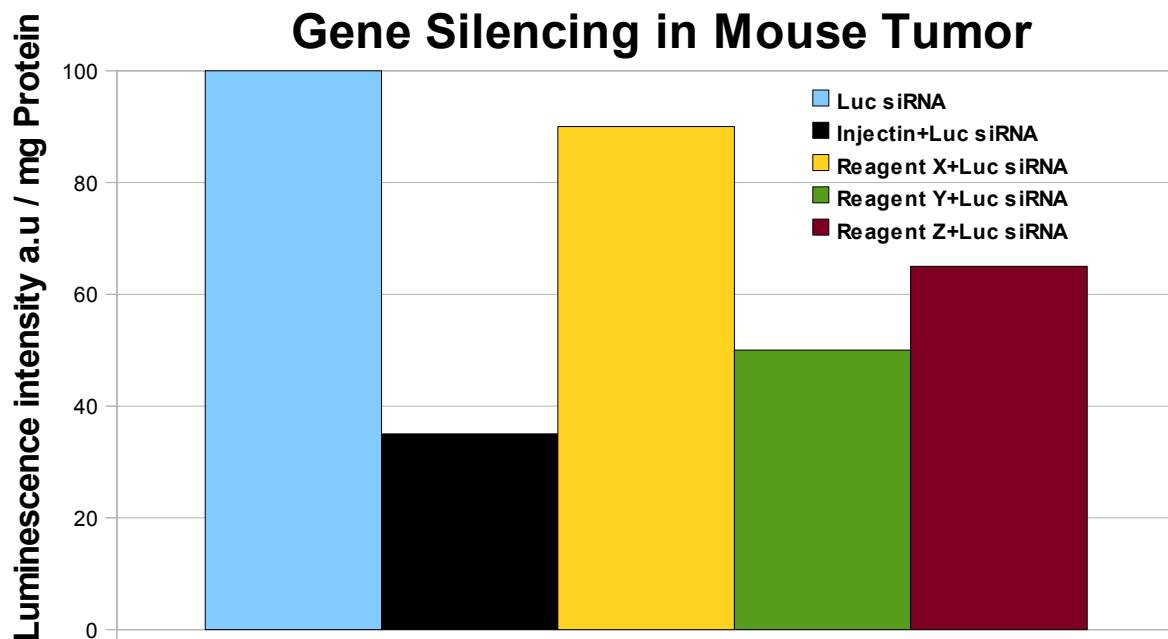


1) Delivery of siRNA into a mouse tumor

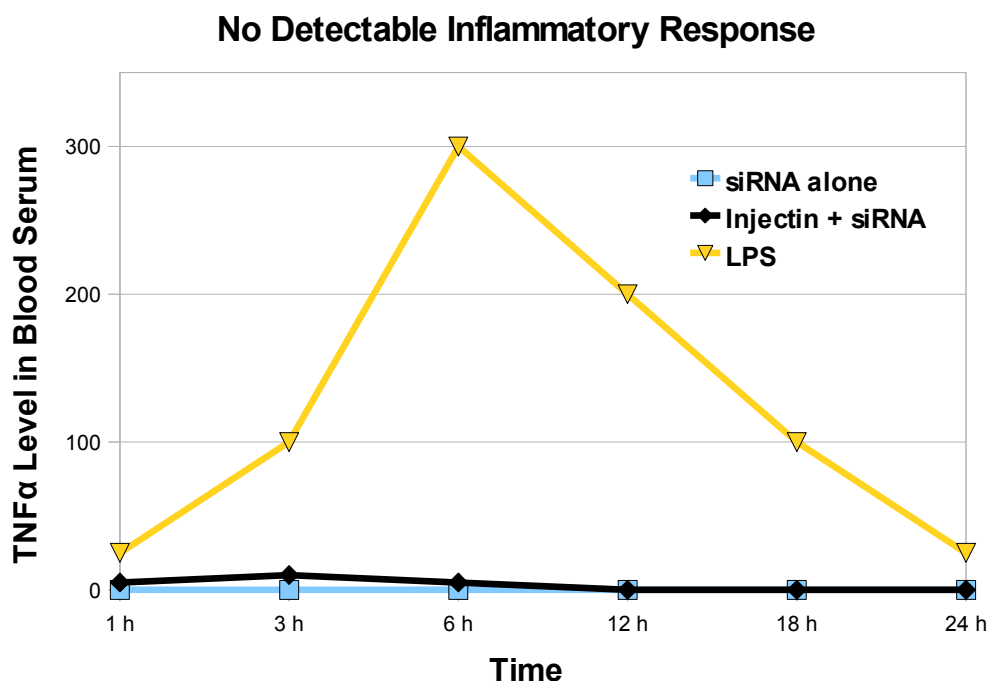


10 μg of a fluorescein-labeled siRNA (siRNA-FITC) were directly injected into a 100 mm^3 mouse PC3 tumor by using 10 μL of Injectin reagent. The same experiment was performed by using other *in vivo* siRNA delivery reagents (X, Y) according to manufacturer's protocols. Tumors were excised and lysed in a protease inhibitor solution after 1, 2 and 3 days respectively. Fluorescence intensity was measured in the lysates with a spectrofluorimeter. All data were corrected by protein concentration assays.



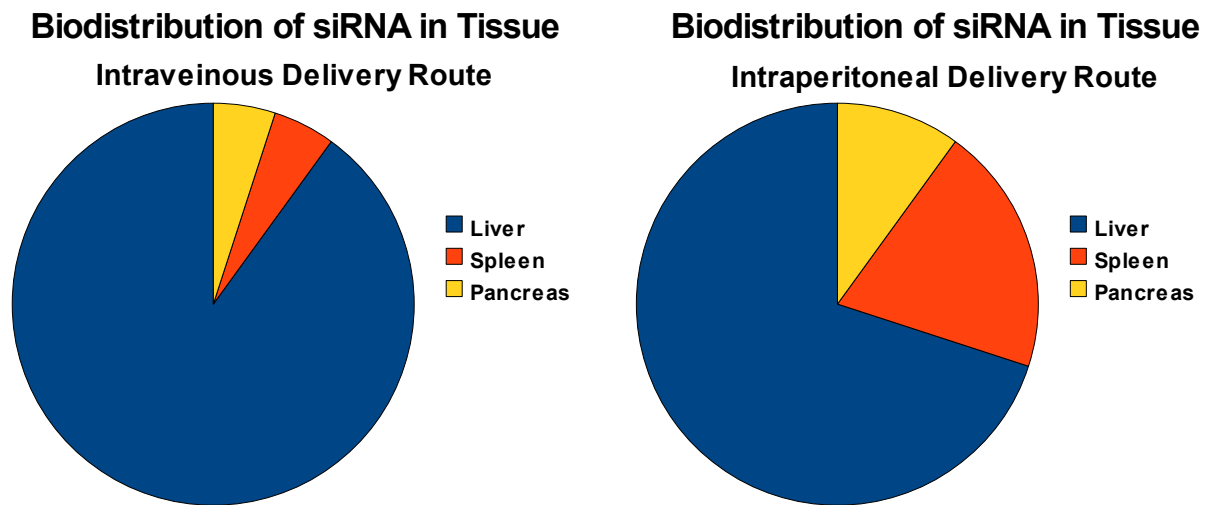
10 μg of a luciferase siRNA were directly injected into a 100 mm^3 mouse tumor 4T1 expressing luciferase by using 10 μL of Injectin reagent. The same experiment was performed by using other *in vivo* siRNA delivery reagents (X, Y and Z) according to manufacturer's protocols. After 8 days, tumors were excised and lysed in protease a inhibitor solution. Luciferase activities were measured with a luminometer. All data were corrected by protein concentration assays.

2) Intravenous delivery of siRNA



50 μg of siRNA were delivered into a female BALB/mice by tail intravenous injection and by using 50 μL of Injectin reagent. The concentrations of proinflammatory cytokin TNF α in blood

serum were measured at the indicated times with Mouse TNF alpha ELISA Ready-SET-Go kit (ebioscience, San Diego, USA) and a spectrophotometer. Lipopolysaccharides from E.coli (LPS, Calbiochem) were used as positive control.



50 µg of a fluorescein-labeled siRNA (siRNA-FITC) were delivered into a female BALB/mice by tail intravenous or intraperitoneal injections by using 50 µL of Injectin reagent. Tissues from liver, spleen and pancreas were collected, cells were dissociated and the fluorescence intensity was measured by cytofluorimetry.