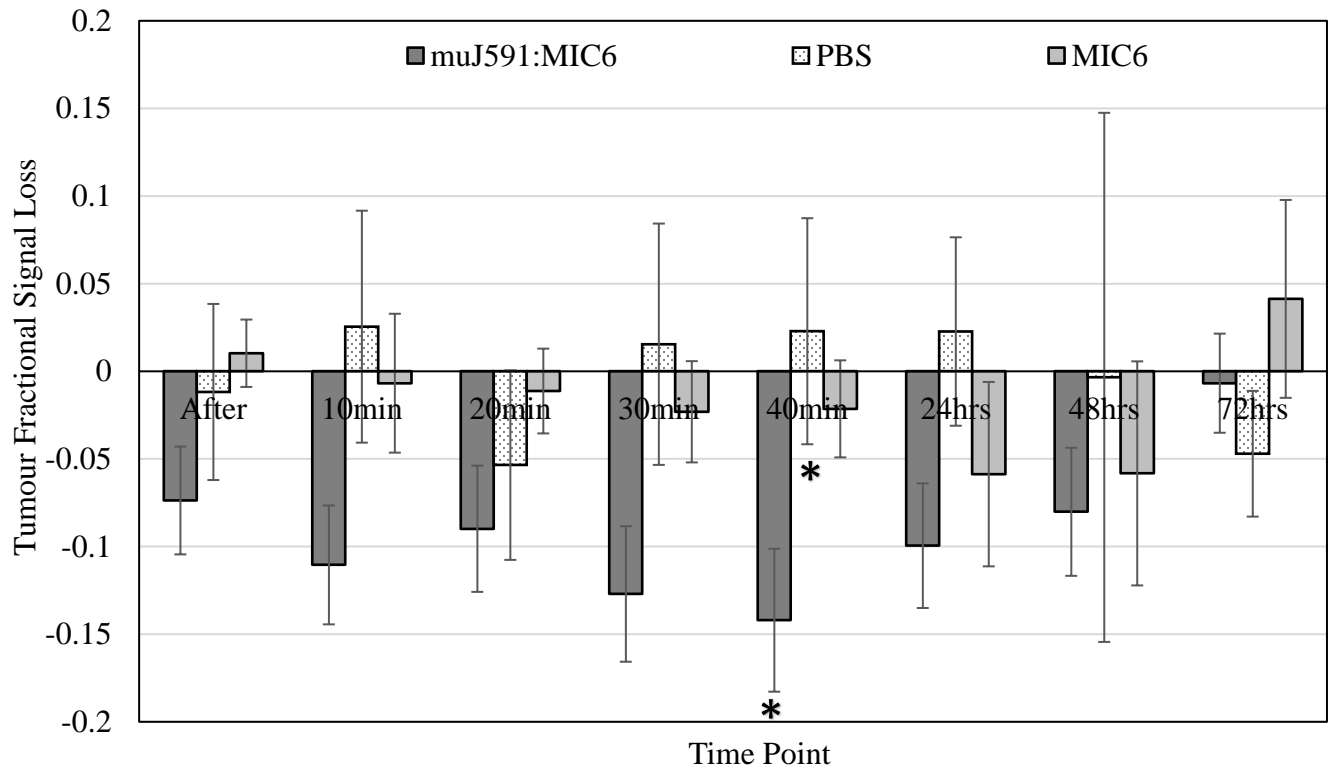


# 1 Supplementary Data

2 TABLE S1. T<sub>2</sub> relaxation times (in ms) obtained for tumours at different time points and treatments.

Injection	Before	After	10min	20min	30min	40min	24hrs	48hrs	72hrs
MIC6	53	46	45	47	46	44	52	57	50
MIC6	76	71	63	68	69	68	63	58	58
MIC6	48	52	54	51	49	52	46	64	54
MIC6	57	55	53	54	59	56	45	39	36
MIC6	46	43	41	43	41	42	58	56	49
MIC6	79	76	85	79	75	87	52	58	54
MIC6	78	73	69	73	71	81	77	71	74
MIC6	64	67	68	63	67	69	55	57	59
muJ591:MIC6	53	49	57	55	55	52	55	60	57
muJ591:MIC6	54	51	47	48	42	42	62	66	51
muJ591:MIC6	68	60	54	53	47	46	66	69	51
muJ591:MIC6	53	53	52	52	57	56	57	58	55
muJ591:MIC6	52	51	50	50	51	51	46	--	--
muJ591:MIC6	54	47	42	40	39	39	59	71	70
muJ591:MIC6	61	41	41	38	23	23	51	50	54
muJ591:MIC6	46	45	47	46	46	46	44	53	49
muJ591:MIC6	57	56	56	60	59	58	60	58	53
muJ591:MIC6	48	48	46	46	45	44	52	44	46
muJ591:MIC6	54	58	56	55	54	55	54	55	54
PBS	79	76	73	79	77	77	79	67	88
PBS	53	58	58	60	58	58	61	53	58
PBS	54	54	54	57	56	56	48	53	51

3



4

5 FIGURE S1. Tumour Fractional Signal Loss Change. The fractional mean signal intensity loss as defined  
 6 by  $(A-B)/B$  where A is the mean signal intensity at each time point and B is the mean signal intensity  
 7 before injection over the same ROI. (\* indicates a significant difference in the tumour mean signal  
 8 intensity ratio between muJ591:MIC6 and PBS at 40 min after injection,  $p=0.05$ ) (Seq. C, TE = 8 ms).