

Supplementary Table S3

A. Effects of CD44 variant over-expression on tumor initiation potential

Over-expression	Cell dose	Number of mice with tumors/Number of mice injected (%)		
		Vector	CD44v	CD44s
	1000	16/16 (100%)	16/16 (100%)	16/16 (100%)
	100	15/21 (71%)	19/21 (90%)	16/21 (76%)
	20	2/24 (8%)	8/24 (33%)	3/24 (13%)
Estimated number of cancer initiating cells (Confidence intervals)		1 in 100 (62-161)	1 in 46 (30-70)	1 in 84 (53-133)

B. Expression of siRNA-refractory gene *CD44v8-10* (*rCD44v*) rescued the tumor initiation potential of TMK1 cells in which the endogenous total CD44 is silenced

siRNA-refractory gene	Cell dose	Number of mice with tumors/Number of mice injected (%)		
		Vector	<i>rCD44s</i>	<i>rCD44v</i>
	2000	4/4 (100%)	4/4 (100%)	4/4 (100%)
	200	4/10 (40%)	7/10 (70%)	10/10 (100%)
	20	3/20 (15%)	2/20 (10%)	11/20 (55%)
Estimated number of cancer initiating cells (Confidence intervals)		1 in 274 (127-590)	1 in 172 (87-339)	1 in 25 (14-46)