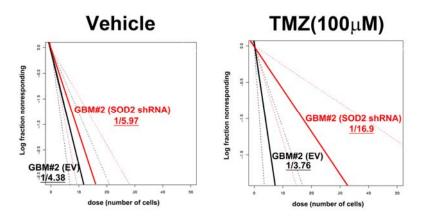
Cells per injection	Tumor culture	28 days	35 days	42 days	49 days	56 days	IDays to growth a I∼0.1 cm³ tumor
50	U87MG	(0/5)	(0/5)	(0/5)	(0/5)	(0/5)	>56
	U87-r#10	(0/5)	(0/5)	(3/5)	(3/5)	(3/5)	56 ± 3
	U87MG	(0/4)	(0/4)	(1/4)	(1/4)	(1/4)	>56
100	U87-r#10	(0/4)	(2/4)	(4/4)	(4/4)	(4/4)	48 ± 3
250	U87MG	(0/4)	(0/4)	(0/4)	(2/4)	(3/4)	56 ± 4
	U87-r#10	(0/4)	(0/4)	(3/4)	(4/4)	(4/4)	46 ± 2
500	U87MG	(0/4)	(0/4)	(1/4)	(2/4)	(4/4)	49 ± 2
500	U87-r#10	(0/4)	(2/4)	(4/4)	(4/4)	(4/4)	42 ± 2
1000	U87MG	(0/3)	(1/3)	(2/3)	(3/3)	(3/3)	46 ± 2
	U87-r#10	(1/3)	(2/3)	(3/3)	(3/3)	(3/3)	39 ± 2

B



Additional file 5: Figure S5. The assays of tumor-initiating cell (TIC) properties. (A) Tumor formation analysis with limiting dilution (50~1000 cells per injection) of U87-parental and TMZ-resistant (r#10) cells in subcutaneous flank area of NOD-SCID mice was performed and recorded. Tumor formation was defined as the measurement to reach 0.1 cm³ or larger. The number of tumor formation in total implanted mice was shown in the brackets. (B) The frequency of the TIC-featured population of GBM#2 (derived from another recurrent GBM patient) with or without TMZ treatment was estimated using the *in vitro* extreme limiting dilution assay.