

**Tumor volume at different time points after subcutaneous inoculation of ESM1-shRNA1-MDA-MB-231 or control MDA-MB-231 cells**

Time (Day)	Mean (Control)	SEM (Control)	Mean (shESM1)	SEM (shESM1)	n (Ctrl/KD)	P-value
0	0	0	0	0	5/5	
1	0	0	0	0	5/5	
2	0	0	0	0	5/5	
3	0	0	0	0	5/5	
4	0	0	0	0	5/5	
5	0	0	0	0	5/5	
6	0	0	0	0	5/5	
7	0	0	0	0	5/5	
8	11.3837	3.471428	0	0	5/5	0.0112
9	33.6419	11.43575	0	0	5/5	0.018658
10	30.9965	8.153169	0	0	5/5	0.005223
11	40.7821	11.08178	3.2367	2.403884	5/5	0.010682
12	78.4501	21.35609	6.3305	1.857844	5/5	0.009869
13	94.5219	28.5346	13.4882	4.858286	5/5	0.023214
14	113.2963	29.71372	22.4978	6.873828	5/5	0.017677
15	179.0878	47.15015	39.9614	11.60165	5/5	0.020982
16	221.9884	64.98718	43.5436	7.89673	5/5	0.026014
17	287.3236	72.11253	53.2503	10.11162	5/5	0.012341

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18	261.5626	73.39296	68.1571	18.45317	5/5	0.033875
19	288.2555	75.57194	63.4847	17.87167	5/5	0.020062
20	308.1306	84.04094	71.6688	15.05487	5/5	0.024313
21	383.04	99.5389	93.8462	29.46936	5/5	0.023711
22	461.9976	94.18844	113.1005	25.3603	5/5	0.007221
23	474.2769	80.51383	166.8973	23.68709	5/5	0.006378
24	596.3501	139.2281	188.6004	40.14382	5/5	0.022702
25	693.3001	149.6061	204.915	43.77018	5/5	0.013949
26	827.9642	139.6055	261.429	43.17168	5/5	0.004695
27	963.6589	188.9203	304.4903	54.77068	5/5	0.010063
28	1137.553	194.2491	347.5487	48.67107	5/5	0.004266
29	1313.512	218.6036	421.8479	82.3261	5/5	0.00511
30	1493.817	213.1758	474.3387	87.5536	5/5	0.002215
31	1862.357	345.022	463.5243	92.86061	5/5	0.00445
32	2227.828	462.6425	566.1495	125.8904	5/5	0.008496
33	2285.765	484.2724	676.4964	89.9194	5/5	0.011404
34	2626.333	504.7942	655.9561	119.6058	5/5	0.00525
35	2701.145	648.0878	780.9598	165.9698	5/5	0.020822
36	2923.8	681.3152	930.711	151.3104	5/5	0.021289
37	3262.422	694.5762	1193.84	162.7143	5/5	0.019901
38	3656.246	743.6619	1239.27	152.5903	5/5	0.012924
39	3875.027	843.1067	1412.042	113.2168	5/5	0.020035

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40	4312.166	936.0602	1486.122	138.6936	5/5	0.017427
41	4433.077	891.9663	1597.708	123.465	5/5	0.013624
42	4421.309	867.9829	1765.944	179.4395	5/5	0.017179

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