



Supplementary Figure S4. rAd.sT mediated immune activation *in vitro*. Splensens were obtained from normal BALB/c mice, and single-cell suspensions were prepared. After treating with 1×RBC lysis buffer, splenocytes were cocultured with lysates obtained from rAd.sT- or rAd.Null (2.5×10⁴ VPs/cell for 48 h)-infected cells. The immunophenotypes of splenocytes were detected by flow cytometry (A, B). The expression of cytokines, IL-2 (C), TNF-α (D), IL-6 (E), and IL-10 (F), was analyzed by real-time RT-PCR. Data are shown as mean±s.e.m. **p*<0.05; ***p*<0.01; ****p*<0.001 versus 4T1 control group. RT-PCR, reverse transcription PCR.

Supplementary Table S1. Primers for therapeutic gene and mouse gene expression analysis

Name	Sequence
TGFβRII Fc	
Sense	5' gctgaatggcaaggagta 3'
Antisense	5' ttgctttggagatggtt 3'
Mouse IL-2	
Sense	5' tgagtgccattcgatga 3'
Antisense	5' agggcttggatgatgac 3'
Mouse IL-6	
Sense	5' gctacctggagtacatgaagaaca 3'
Antisense	5' ggtccttagccactcctctg 3'
Mouse IL-10	
Sense	5' aataagagcaaggcagtgagg 3'
Antisense	5' tgatgcttctatgcagttgatga 3'
Mouse IL-12p35	
Sense	5' ccctcctaaaccacctca 3'
Antisense	5' gggactggcctaagacacc 3'
Mouse TNF-α	
Sense	5' cgtggaactggcagaaga 3'
Antisense	5' acagaagagcgtgtggc 3'
Mouse TGFβ	
Sense	5' ggcgggtgctccttctga 3'
Antisense	5' ctcatagatggcgtgtgtg 3'
Mouse IFNγ	
Sense	5' actaccttctcagcaacagcaa 3'
Antisense	5' ctggggaccactcgatga 3'
Mouse perforin	
Sense	5' acgcatgatctgctctcg 3'
Antisense	5' tcgggttctgttctcca 3'
Mouse granzyme B	
Sense	5' tgtgctatggtgctgtt 3'
Antisense	5' cactccgatcctctgt 3'
Mouse VEGFA	
Sense	5' ctacctccaccatgccaagt 3'
Antisense	5' gcagatagctgcgctgataga 3'
Mouse VEGFR1	
Sense	5' acggacagtggatggtt 3'
Antisense	5' cacagactccctgctttt 3'
Mouse IL-11	
Sense	5' cagggtgctctccctaa 3'
Antisense	5' gagtgcgcttccagtcg 3'
Mouse CTGF	
Sense	5' gtgaagacatacagggttaa 3'
Antisense	5' actggcagagtgggtt 3'
Mouse PTHrP	
Sense	5' caactccaaacctgctcc 3'
Antisense	5' gtatctgcctcatctgctc 3'
Mouse CXCR4	
Sense	5' ggggtcatcaagcaagga 3'
Antisense	5' agtgaagaaggcgagg 3'
Mouse β-actin	
Sense	5' cccatctacgaggctat 3'
Antisense	5' tgtcacgcacgattcc 3'