

Supplementary Materials

Table S1. Real-time-PCR primer sequences.

Gene	Forward	Reverse
IL-1 β	5'-CAACCAACAAGTGATATTCTCCATG-3'	5'-GATCCACACTCTCCAGCTGCA -3'
IL-4	5'-ACAGGAGAAGGGACGCCAT-3'	5'-GAAGCCCTACAGACGAGCTCA-3'
IL-6	5'-CCGGAGAGGAGACTTCACAG-3'	5'-CAGAATTGCCATTGCACAAC-3'
IL-12	5'-ATGACCCTGTGCCTTGGTAG-3'	5'-CAGATAGCCCATCACCTGT-3'
IL-15	5'-CATCCATCTCGTGCTACTTGTGTT-3'	5'-CATCTATCCAGTTGGCCTCTGTTT-3'
IL-17a	5'-TCAGACTACCTCAACCGTTCC-3'	5'-CTTTCCTCCGCATTGACAC-3'
IL-21	5'-GCCAAACTCAAGCCATCAAACCC-3'	5'-CGAATCACAGGAAGGGCATTTAGC-3'
INF- γ	5'-TGGCATAGATGTGGAAGAAAAGAG-3'	5'-TGCAGGATTTTCATGTCACCAT-3'

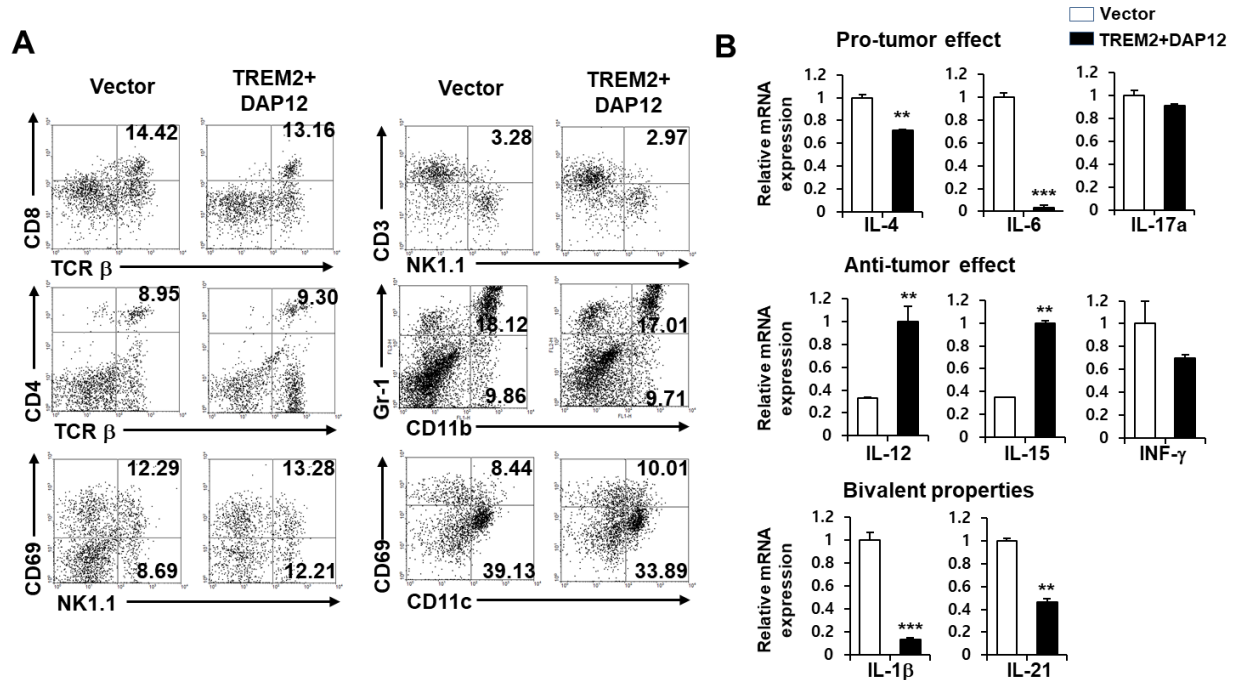


Figure S1. Infiltrated immune cell distribution and cytokine mRNA expression in tumors.

(A) Cells were isolated from tumors, and the immune cell population was determined by flow cytometry analysis using the indicated antibodies (CD4 T cells: CD4⁺TCR β ⁺; CD8 T cells: CD8⁺TCR β ⁺; NK cells: NK1.1⁺; NK T cells: NK1.1⁺CD3⁺; macrophages: CD11b⁺; granulocytes: CD11b⁺Gr-1⁺; dendritic cells: CD11c⁺; activation marker: CD69⁺). (B) cDNA was synthesized from tumor mRNA and analyzed by real-time PCR using the primers indicated in Table 1. The data are representative of three independent experiments (**p<0.01, ***p<0.001).

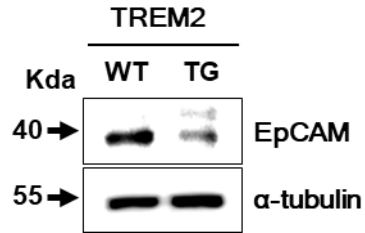


Figure S2. Reduced protein expression of EpCAM in TREM2-TG mice compared with that in WT mice. EpCAM expression was measured by western blot analysis using protein from the colon tissue of TREM2-TG and WT mice.