

Table S1. The analysis of integrin β_7 -high splenic lymphocytes subsets in WT mice

CD19 ⁺ B cells	CD3 ⁺ T cells	CD8 ⁺ T cells	CD4 ⁺ T cells	CD4 ⁺ CD25 ⁺ Treg cells
3.90%±0.63%	91.13%±2.08%	79.05%±2.87%	8.74%±0.72%	1.42%±0.28%

Integrin β_7 -high splenic lymphocytes were stained with CD3, CD19, CD4, CD8 and CD25 mAbs. The percentages of CD19⁺ B cells, CD3⁺ T cells, CD8⁺ T cells, CD4⁺ T cells and CD4⁺ CD25⁺ Treg cells were shown in the Table. Data are mean $\pm$ s.d. (n=4 mice).

Table S2. The list of primers used for genotyping

Gene	Forward sequence (5' to 3')	Reverse sequence (5' to 3')	Species
<i>Itgb7</i>	TCTACAGGAGGACCAACTGAG	GATGTGCTGCAAGGCGATTAAG	mouse

Table S3. The list of primers used for real-time quantitative PCR analyses

Gene	Forward sequence (5' to 3')	Reverse sequence (5' to 3')	Species
<i>IL-6</i>	CTGCAAGAGACTTCCATCCAGTT	GAAGTAGGGAAGGCCGTGG	mouse
<i>TNF-α</i>	AGTGACAAGCCTGTAGCCC	GAGGTTGACTTTCTCCTGGTAT	mouse
<i>IL-1β</i>	CGGCACACCCACCCTG	AAACCGCTTTTCCATCTTCTTCT	mouse
<i>Itgb7</i>	GCAGTACAGGGATTGTGCAGA	GGTTGTCTATTGTCCTTTCTTTGC	mouse
<i>GAPDH</i>	CGGAGTCAACGGATTTGGTC	GACAAGCTTCCCGTTCTCAG	mouse