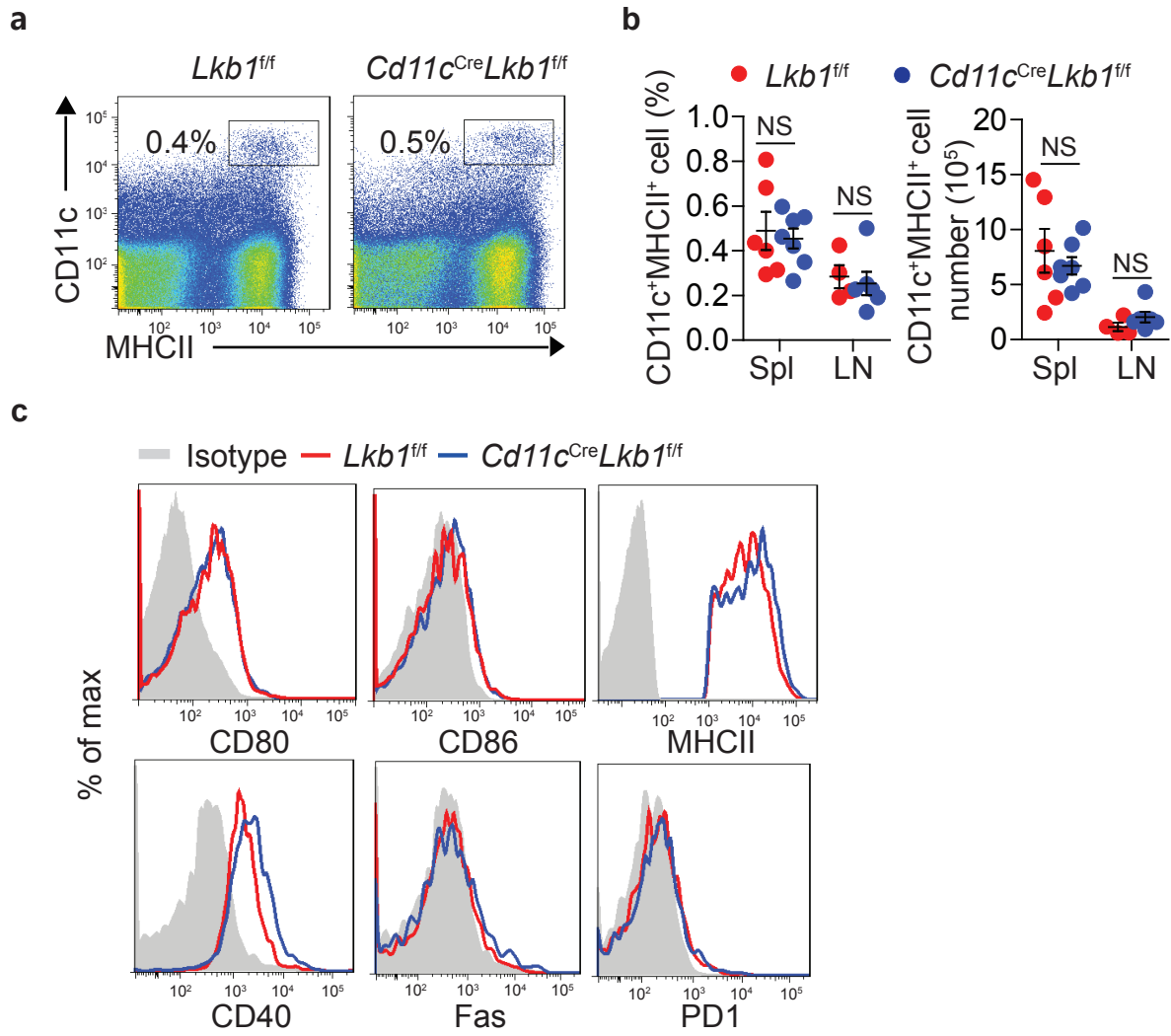
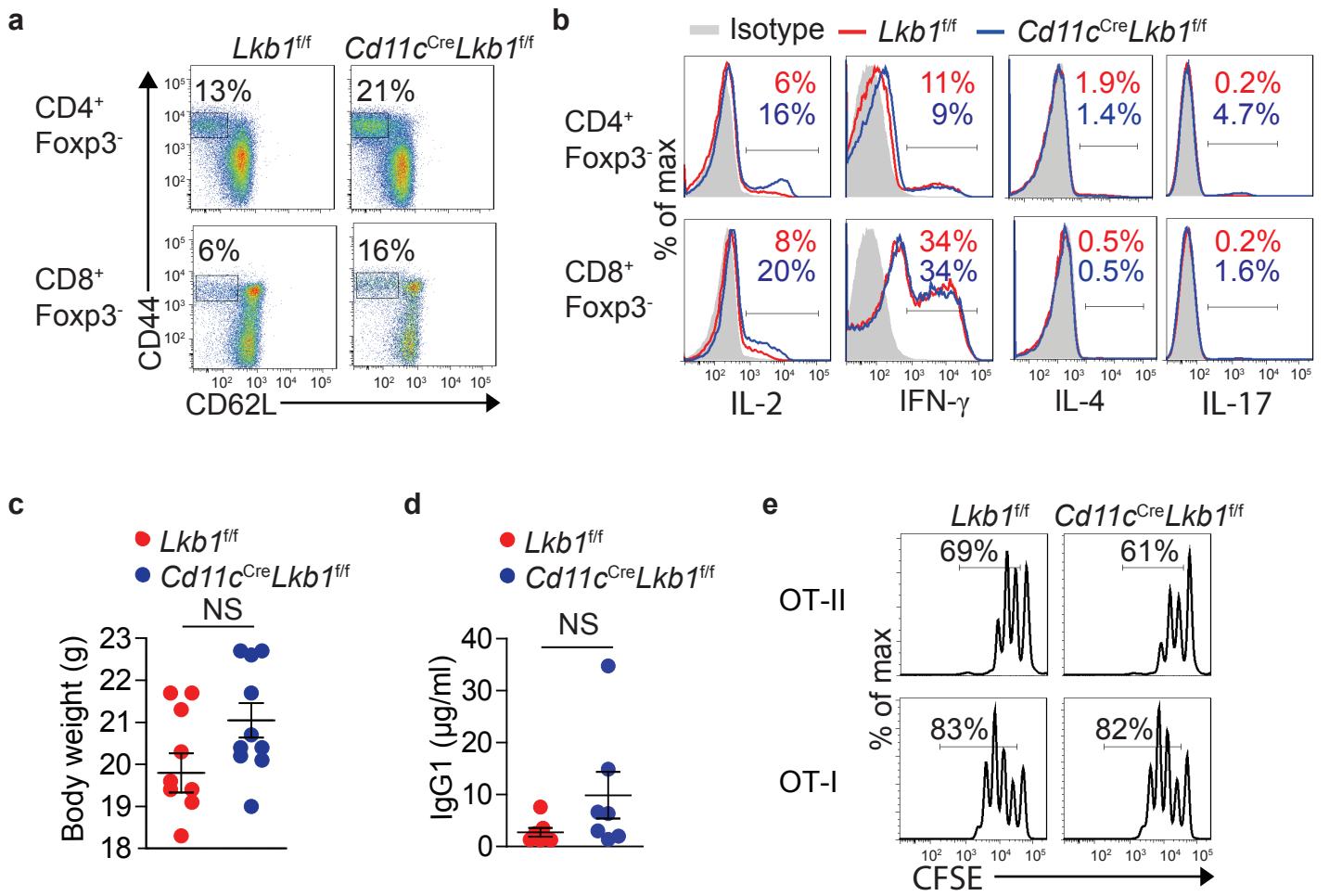
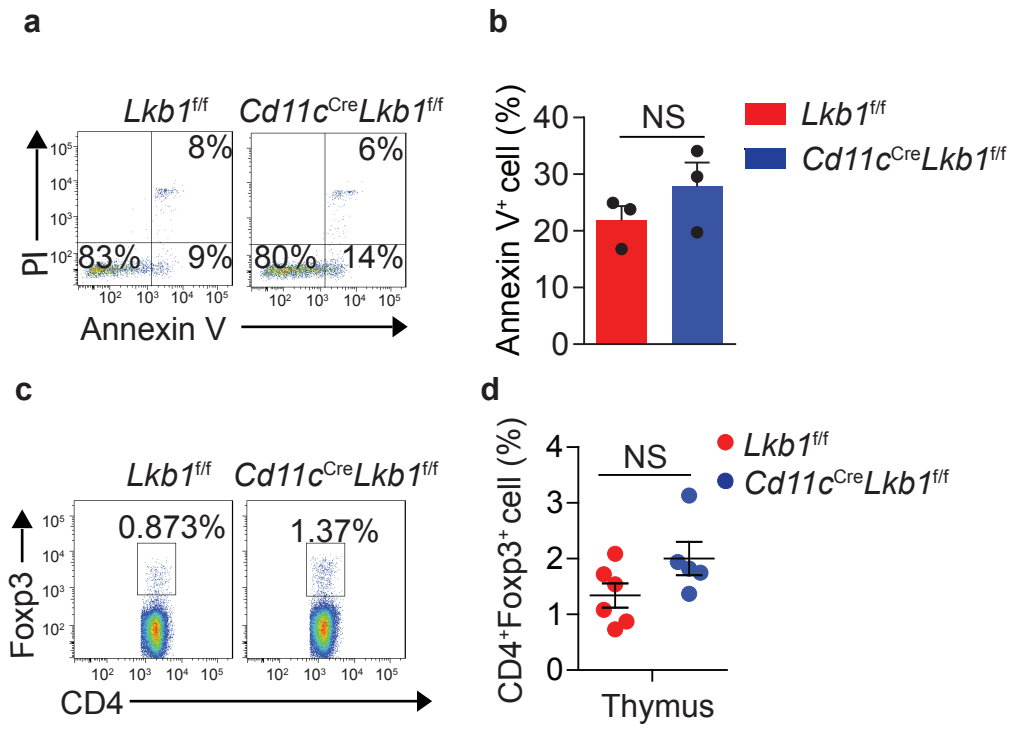


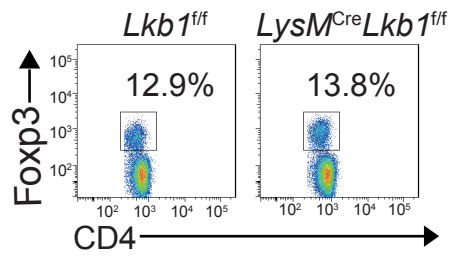
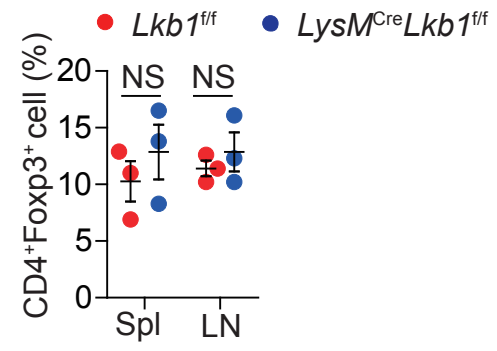
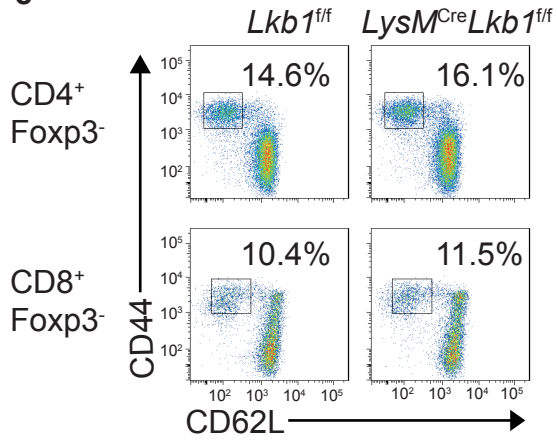
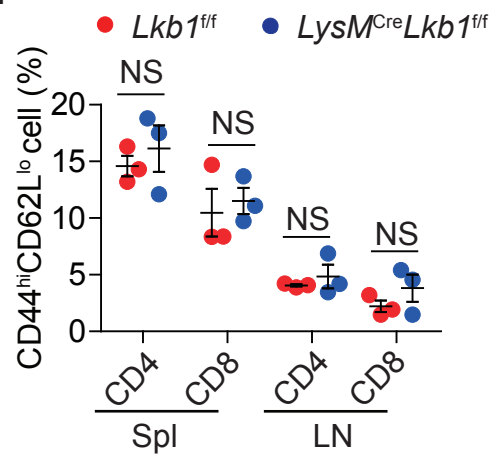
Chen, S et al.: Control of T_{reg} cell homeostasis and immune equilibrium by Lkb1 in dendritic cells

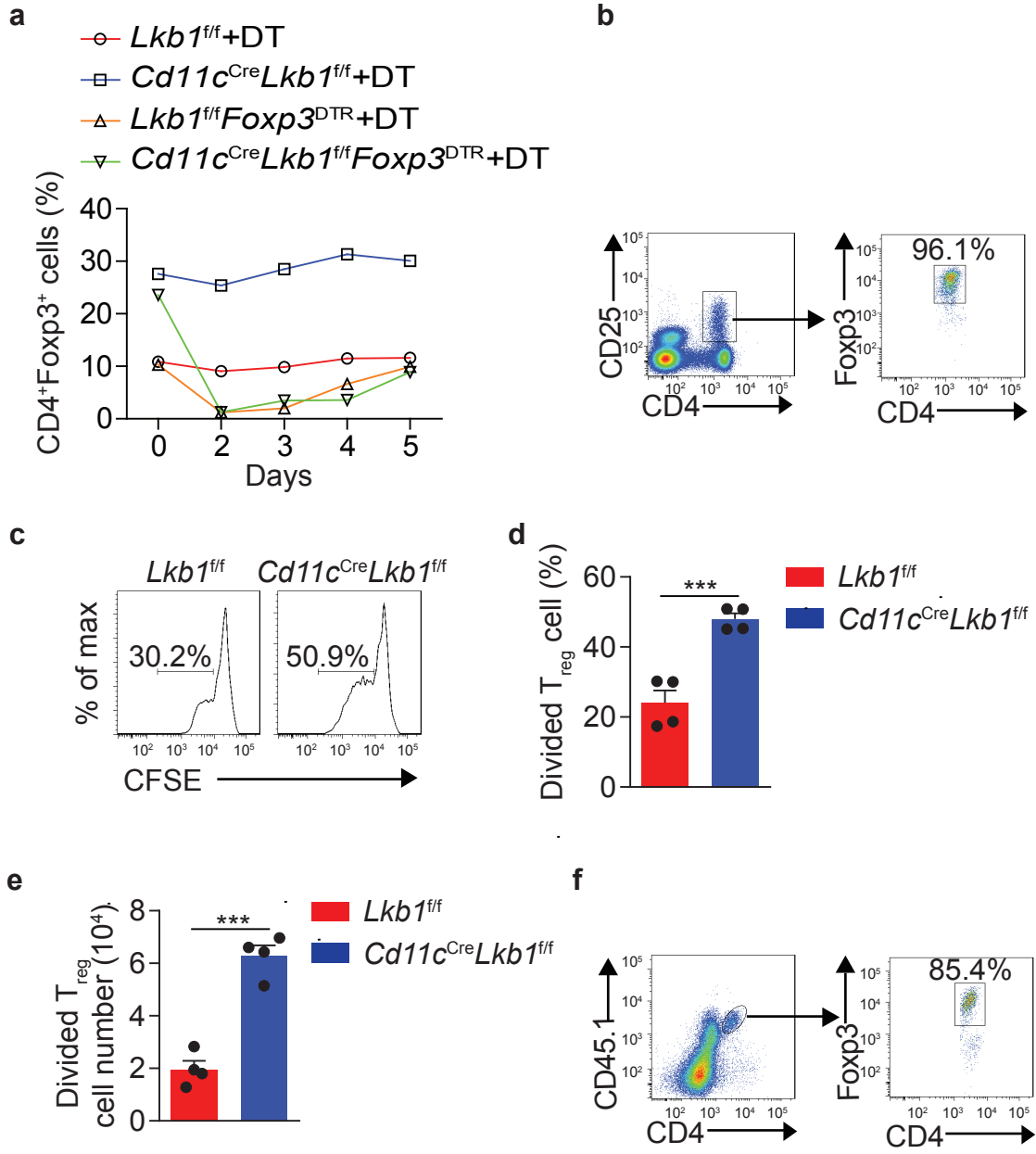
Supplementary materials: 17 Figures; 5 tables

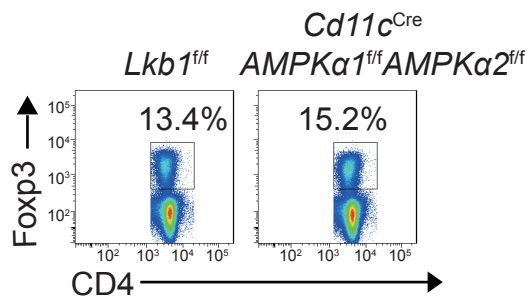
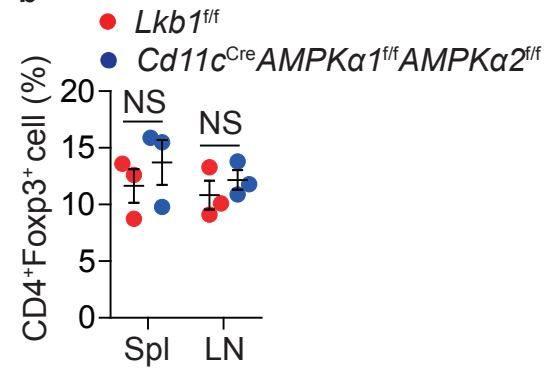
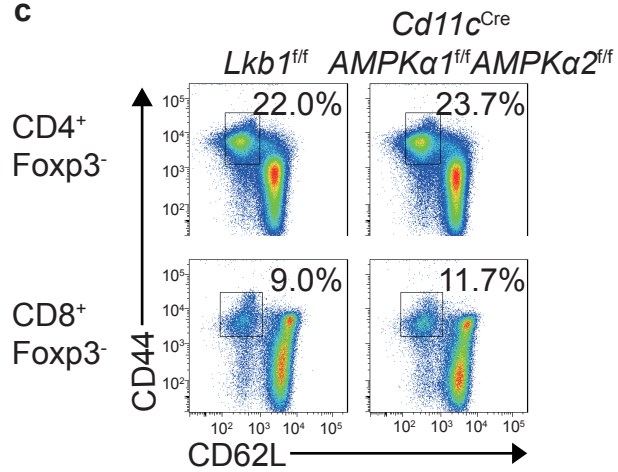
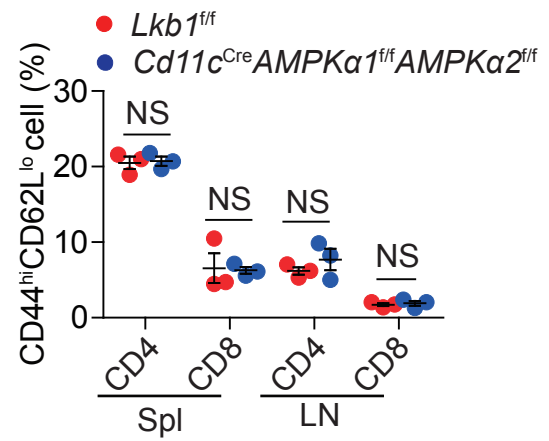


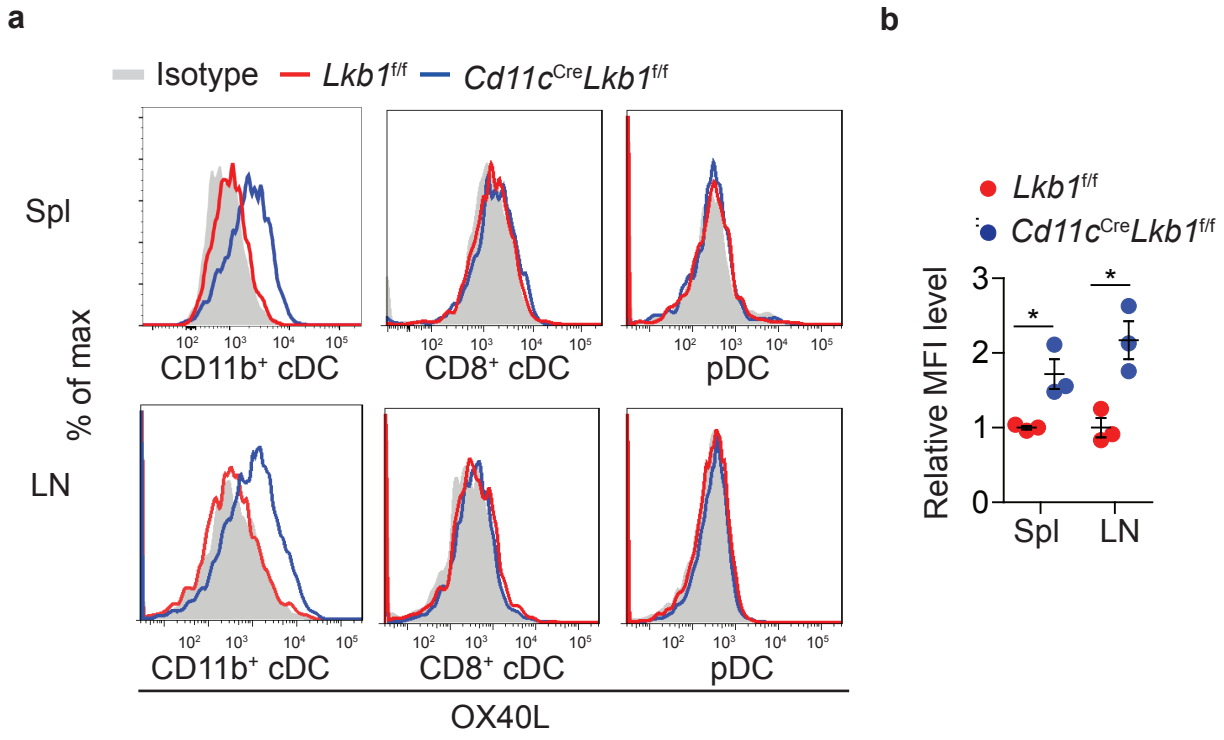


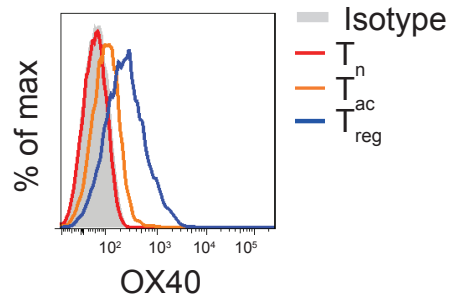
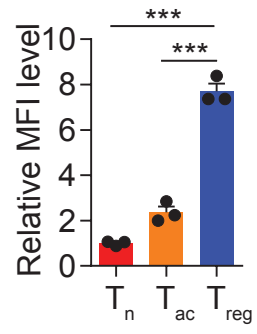


a**b****c****d**



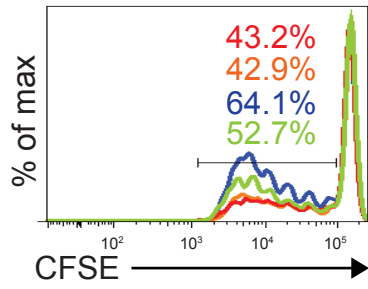
a**b****c****d**



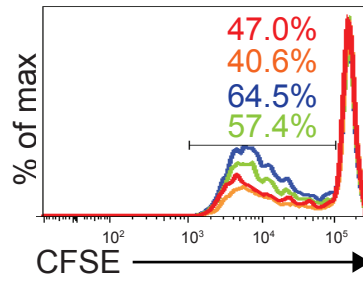
a**b**

a

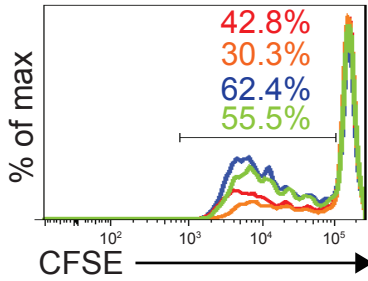
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- *Lkb1^{ff}*+anti-OX40L
- *Cd11c^{Cre}Lkb1^{ff}*+IgG2a
- *Cd11c^{Cre}Lkb1^{ff}*+anti-OX40L



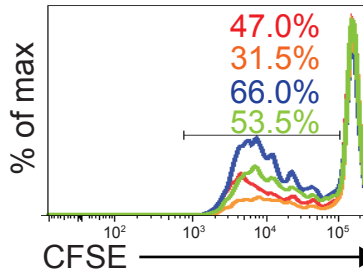
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- *Lkb1^{ff}*+anti-CD80
- *Cd11c^{Cre}Lkb1^{ff}*+IgG
- *Cd11c^{Cre}Lkb1^{ff}*+anti-CD80



- *Lkb1^{ff}*+IgG
- *Lkb1^{ff}*+anti-CD86
- *Cd11c^{Cre}Lkb1^{ff}*+IgG
- *Cd11c^{Cre}Lkb1^{ff}*+anti-CD86

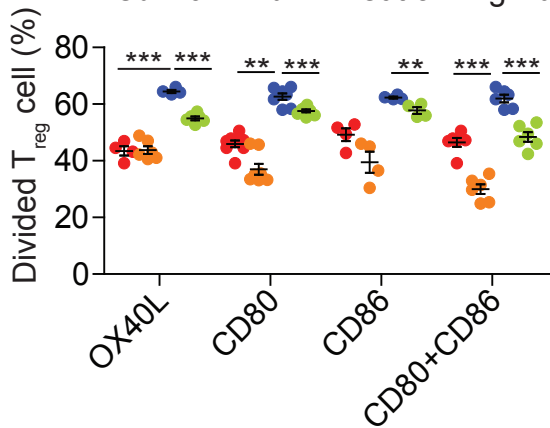


- *Lkb1^{ff}*+IgG
- *Lkb1^{ff}*+anti-anti-CD80+anti-CD86
- *Cd11c^{Cre}Lkb1^{ff}*+IgG
- *Cd11c^{Cre}Lkb1^{ff}*+anti-CD80+anti-CD86

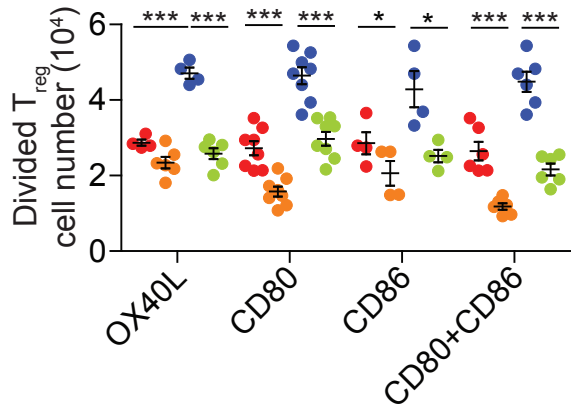


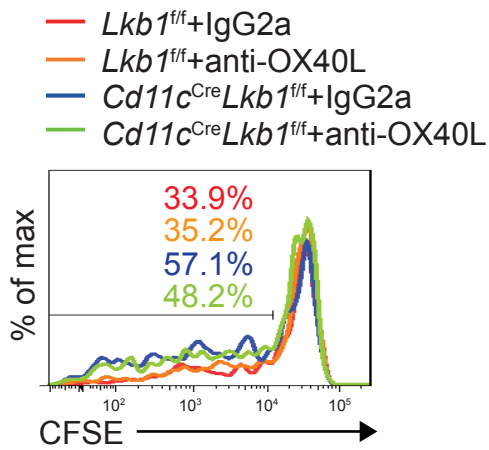
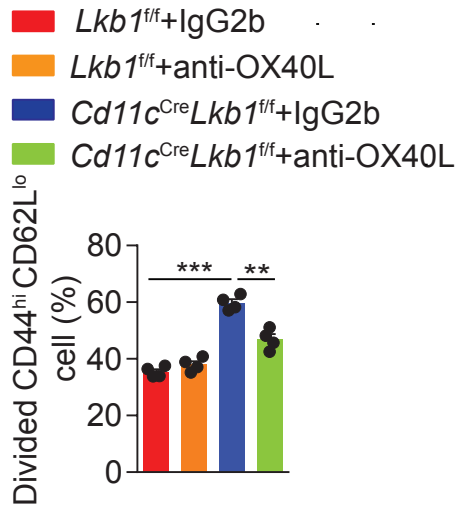
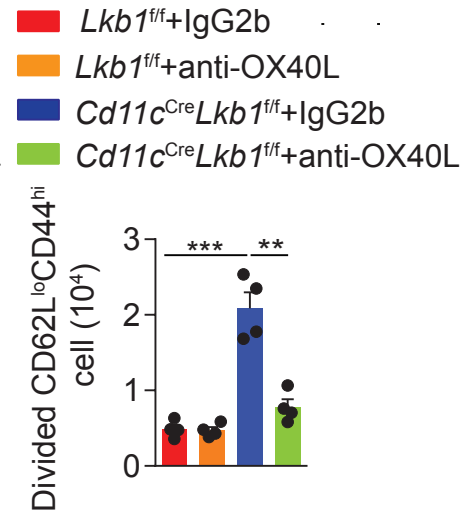
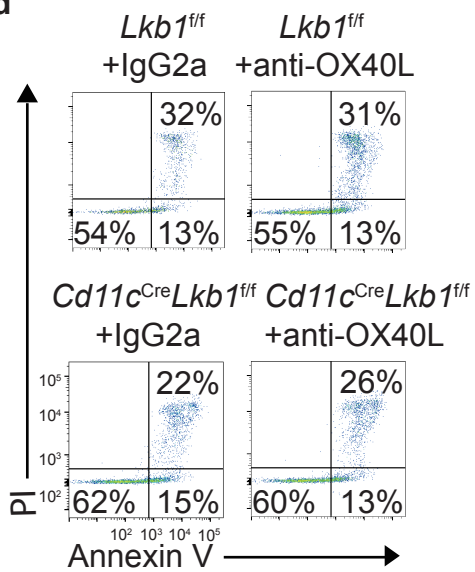
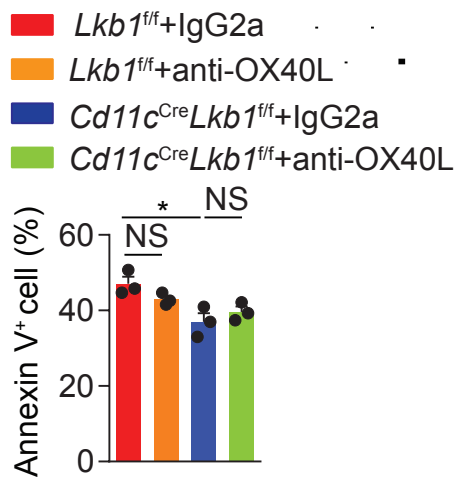
b

- *Lkb1^{ff}*+Isotype
- *Lkb1^{ff}*+Neutralizing Ab
- *Cd11c^{Cre}Lkb1^{ff}*+Isotype
- *Cd11c^{Cre}Lkb1^{ff}*+Neutralizing Ab

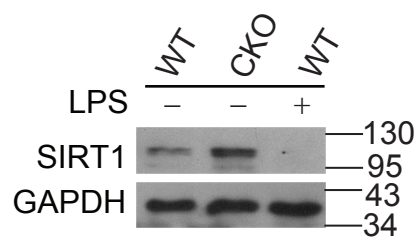


- *Lkb1^{ff}*+Isotype
- *Lkb1^{ff}*+Neutralizing Ab
- *Cd11c^{Cre}Lkb1^{ff}*+Isotype
- *Cd11c^{Cre}Lkb1^{ff}*+Neutralizing Ab

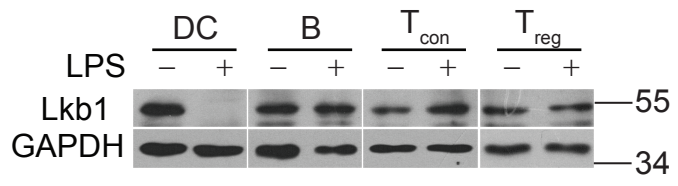


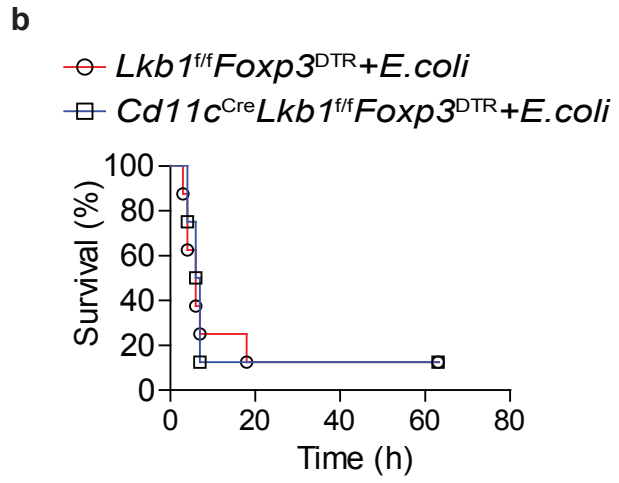
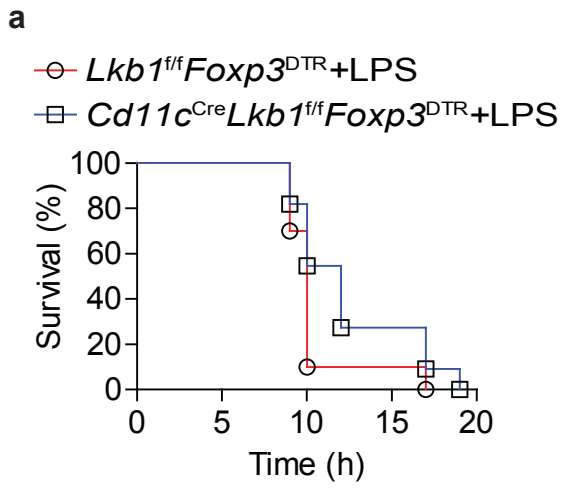
a**b****c****d****e**

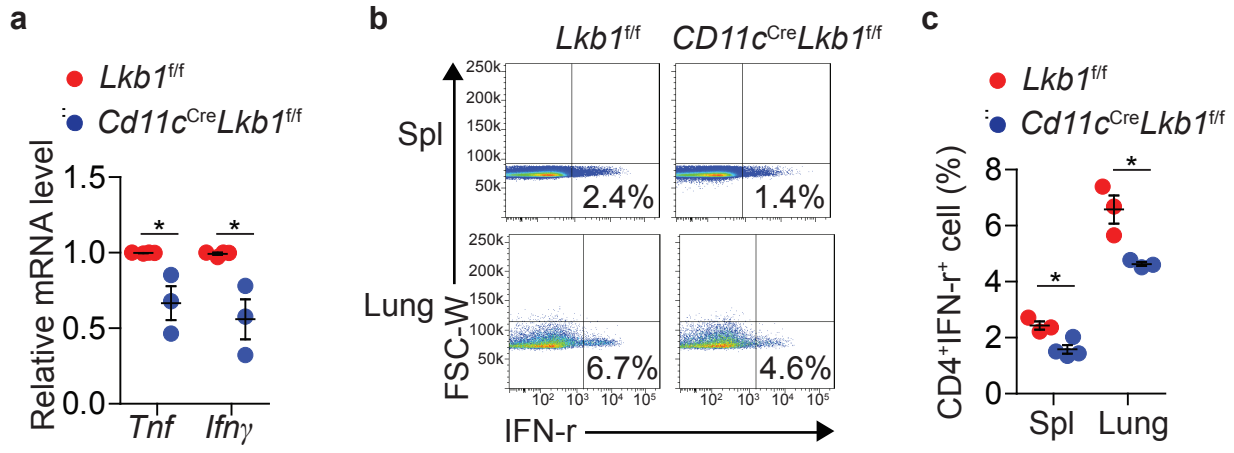
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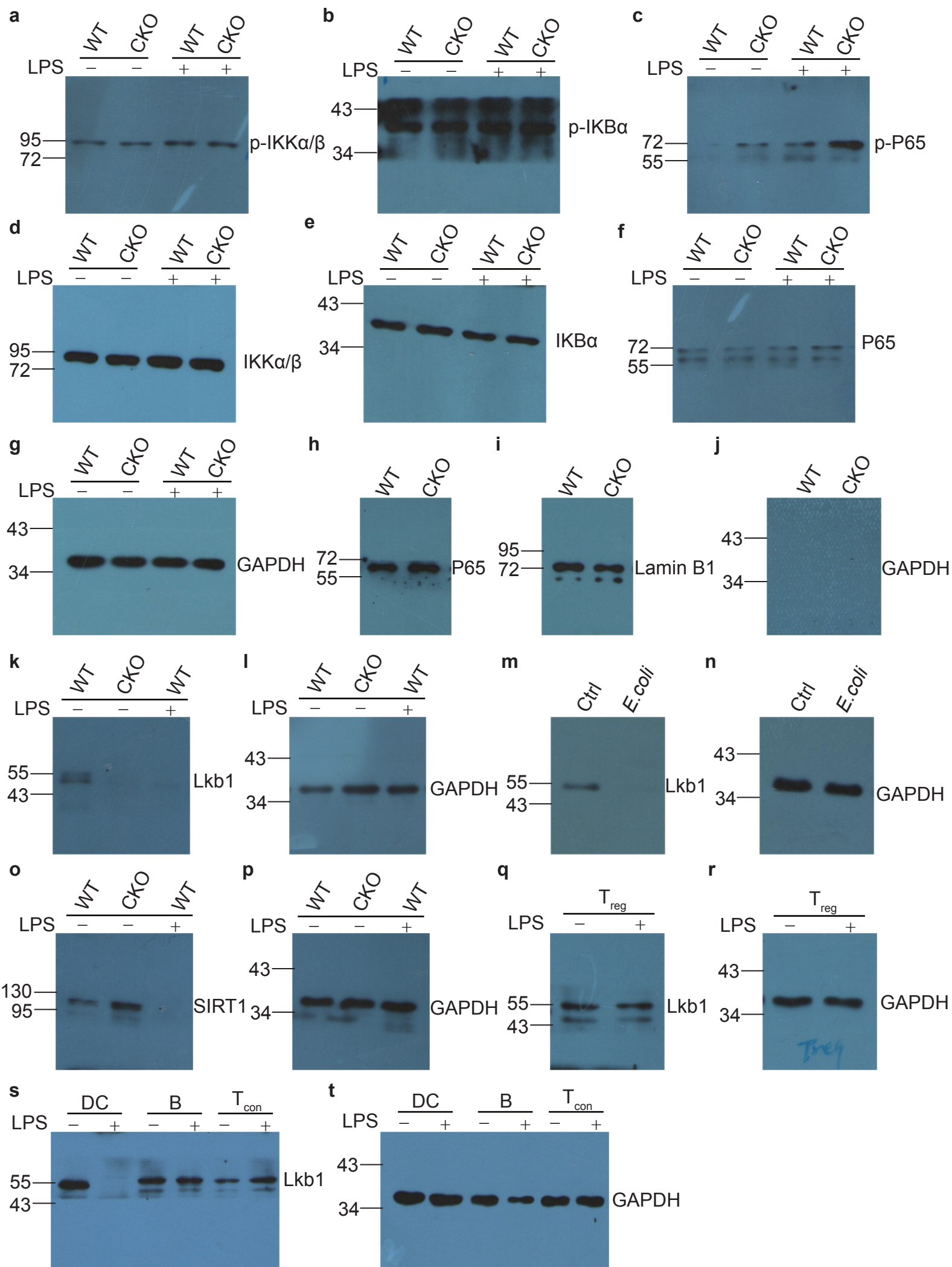


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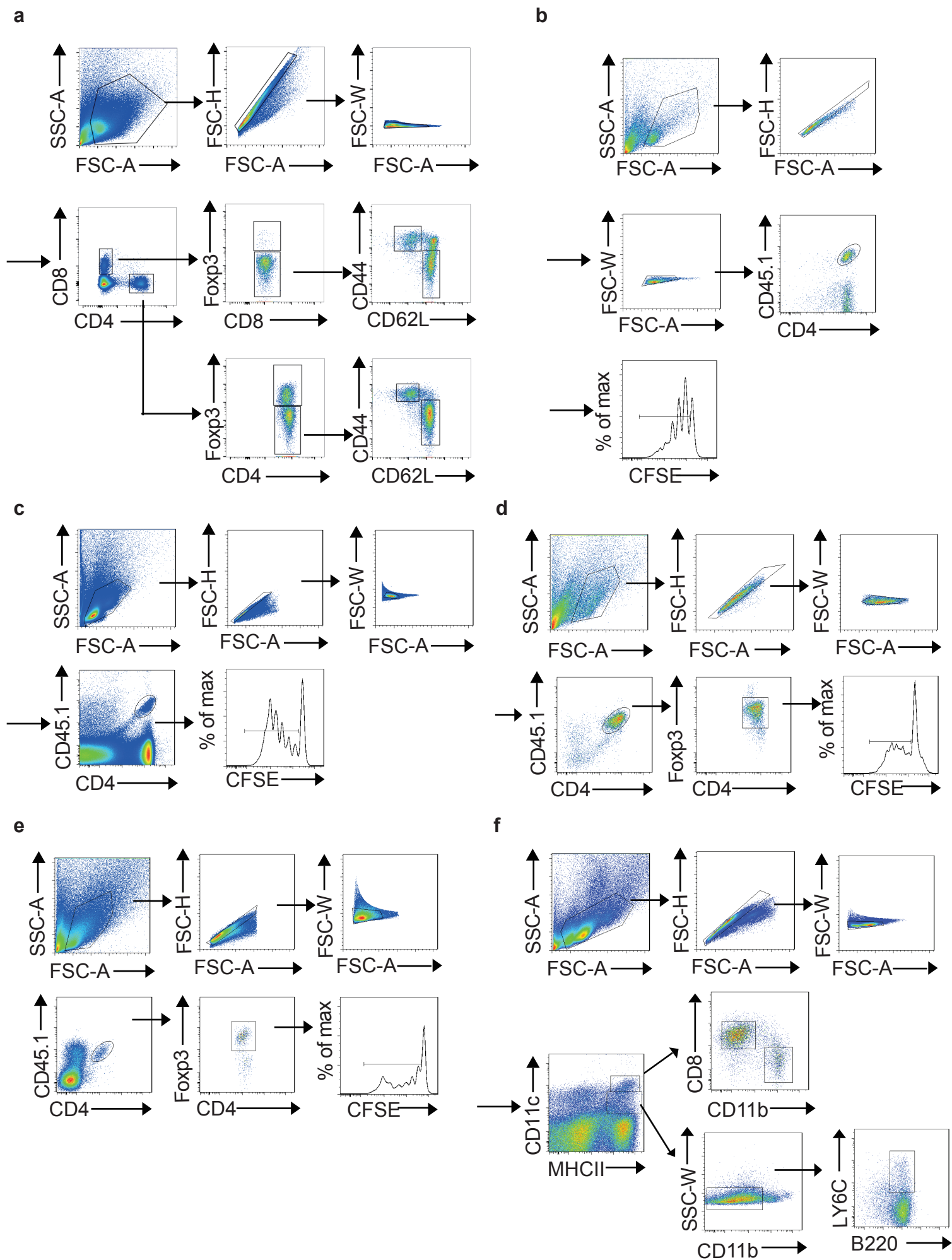


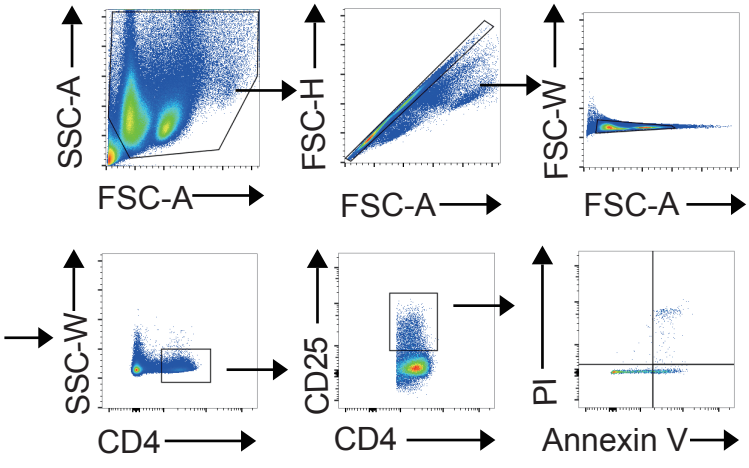
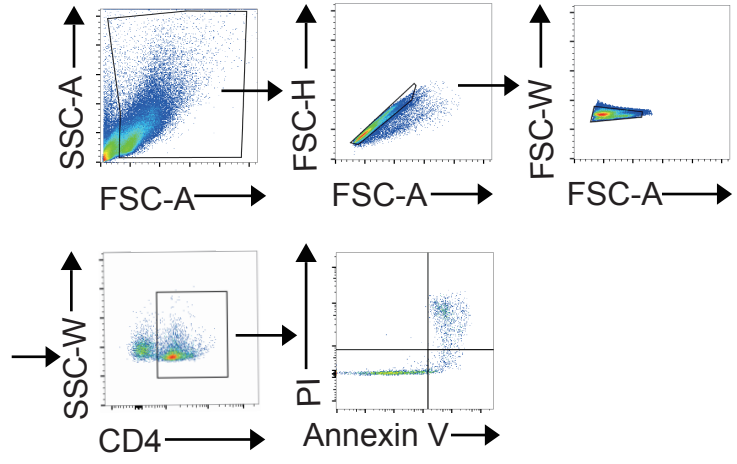




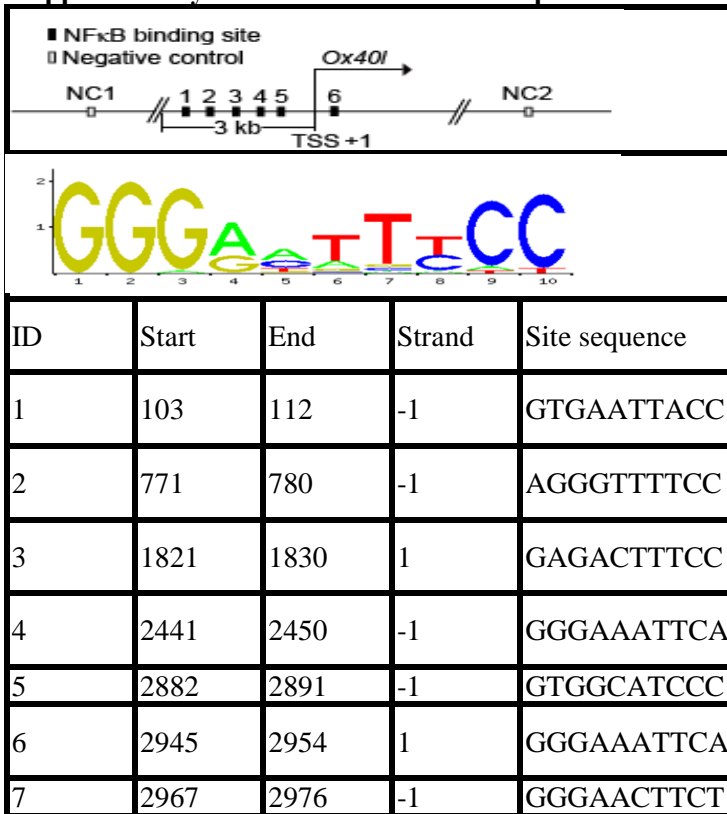


Supplementary Figure 15



a**b**

Supplementary Table 1. Schematic description of conserved NF- κ B binding site in *Ox40l* locus



Supplementary Table 2. Oligonucleotide primers

Primer/Purpose	5'-Sequence-3'
<i>Ox40l</i> /q-PCR of mouse <i>Ox40l</i> cDNA	F: GAAGAAGACGCTAAGGCTGGT R: GAGCTGATGAATAGTTGCCCAT
<i>Ox40</i> /q-PCR of mouse <i>Ox40</i> cDNA	F: TACCTACCCAGTGGTCACAA R: ACGGATGACATAGAGTATCCCTG
<i>Lkb1</i> /q-PCR of mouse <i>Lkb1</i> cDNA	F: GCCAACGTCAAGAAGGAGAT R: CGCAGTACTCCATCACCATATAC
<i>Cxcl11</i> /q-PCR of mouse <i>Cxcl11</i> cDNA	F: GGCTTCCTTATGTTCAAACAGGG R: GCCGTTACTCGGGTAAATTACA
<i>Il1a</i> /q-PCR of mouse <i>Il1a</i> cDNA	F: CGAAGACTACAGTTCTGCCATT R: GACGTTTCAGAGGTTCTCAGAG
<i>Il27</i> /q-PCR of mouse <i>Il27</i> cDNA	F: CTGTTGCTGCTACCCTTGCTT R: CACTCCTGGCAATCGAGATTC
<i>Cxcl9</i> /q-PCR of mouse <i>Cxcl9</i> cDNA	F: TCCTTTTGGGCATCATCTTCC R: TTTGTAGTGGATCGTGCCTCG
<i>Il15</i> /q-PCR of mouse <i>Il15</i> cDNA	F: ACATCCATCTCGTGCTACTTGT R: GCCTCTGTTTTAGGGAGACCT
<i>Cd80</i> /q-PCR of mouse <i>Cd80</i> cDNA	F: ACCCCCAACATAACTGAGTCT R: TTCCAACCAAGAGAAGCGAGG
<i>Cxcl10</i> /q-PCR of mouse <i>Cxcl10</i> cDNA	F: CCAAGTGCTGCCGTCATTTTC R: GGCTCGCAGGGATGATTTCAA
<i>Il1f9</i> /q-PCR of mouse <i>Il1f9</i> cDNA	F: TCCTGACTTTGGGGAGGTTTT R: TCACGCTGACTGGGGTACT
<i>Ccl5</i> /q-PCR of mouse <i>Ccl5</i> cDNA	F: GCTGCTTTGCCTACCTCTCC R: TCGAGTGACAAACACGACTGC
<i>Gapgh</i> /q-PCR of mouse <i>Gapgh</i> cDNA	F: AGGTCCGGTGTGAACGGATTTG R: TGTAGACCATGTAGTTGAGGTCA
<i>Ox40l</i> -NC1/ChIP-qPCR of mouse <i>Ox40l</i> gene	F: CTGGTCATGTGCTGATGAGT R: TGAAGTTGGCTATGGTGAGAAT
<i>Ox40l</i> -1/ChIP-qPCR of mouse <i>Ox40l</i> gene	F: CCCACCAGAGTTGGTAATTCA R: ATTTACAGTCCTGGGCAGATG
<i>Ox40l</i> -2/ChIP-qPCR of mouse <i>Ox40l</i> gene	F: CCACCATGAGGTTCTGAGTTT R: CCCGTTTCAGCTTCCATAGT
<i>Ox40l</i> -3/ChIP-qPCR of mouse <i>Ox40l</i> gene	F: CTGTTGACGGCTCCATGATAAA R: GCACAGGGATGCTGAACATAA
<i>Ox40l</i> -4/ChIP-qPCR of mouse <i>Ox40l</i> gene	F: GCTGAATTTCCCTGAAATGAGAAA R: GAGCAACTGCTATGTGTCAGA
<i>Ox40l</i> -5/ChIP-qPCR of mouse <i>Ox40l</i> gene	F: TTCATAACTGGGATGCCACAA R: GGGAACTTCTATGTGACTAATCTGAA
<i>Ox40l</i> -6/ChIP-qPCR of mouse <i>Ox40l</i> gene	F: CAAGTGGAAGAAGACGCTAAGG R: CTTACCGGAGAGGAAGAGAGTT
<i>Ox40l</i> -NC2/ChIP-qPCR of mouse <i>Ox40l</i> gene	F: ACTTCCAGTGCTTTCCTTACA R: GCTGACCAAGATAGCCAATTC

Supplementary Table 3. Flow cytometry gating strategies.

Tissue/ cells	Target Population	Gating Strategy	Figure number
Spleen, lymph nodes, thymus, lung and brain	CD4 ⁺ Foxp3 ⁺ T _{reg} cells	Immune cells/Singlets/CD4 ⁺ /Foxp3 ⁺	Supplementary Figure 16a-> Figure 1a,1c,1e,1g,6c,6e,7b,7d and Supplementary Figure 3c,4a,6a,8a
	CD4 ⁺ Foxp3 ⁻ T cells	Immune cells/Singlets/CD4 ⁺ /Foxp3 ⁻	Supplementary Figure 16a-> Figure 2b and Supplementary Figure 2a,2b,4c,6c,8a,14b
	CD8 ⁺ Foxp3 ⁻ T cells	Immune cells/Singlets/CD8 ⁺ /Foxp3 ⁻	Supplementary Figure 16a-> Supplementary Figure 2a,2b,4c,6c
Co-cultured cells	CD4 ⁺ CD45.1 ⁺ T cells	Immune cells/Singlets/CD4 ⁺ CD45.1 +	Supplementary Figure 16b-> Figure 1h and Supplementary Figure 2e,10a
Spleen	CD4 ⁺ CD45.1 ⁺ T cells	Immune cells/Singlets/CD4 ⁺ CD45.1 +	Supplementary Figure 16c-> Figure 2d,2g
Co-cultured cells	CD4 ⁺ CD45.1 ⁺ Fox p3 ⁺ T _{reg} cells	Immune cells/Singlets/CD4 ⁺ CD45.1 ⁺ /Foxp3 ⁺	Supplementary Figure 16d-> Figure 3a,3d,3g,4e,5e,6g and Supplementary Figure 9a
Spleen	CD4 ⁺ CD45.1 ⁺ Fox p3 ⁺ T _{reg} cells	Immune cells/Singlets/CD4 ⁺ CD45.1 ⁺ /Foxp3 ⁺	Supplementary Figure 16e-> Figure 3h,4h,5h
Spleen and lymph nodes	MHCII ⁺ CD11c ⁺ DCs	Immune cells/Singlets/MHCII ⁺ CD11 c ⁺	Supplementary Figure 16f-> Figure 4d,5d,8e and Supplementary Figure 1a,1c,
	MHCII ⁺ CD11c ^{hi} C D11b ⁺ cDCs	Immune cells/Singlets/MHCII ⁺ CD11 c ^{hi} /CD8 ⁻ CD11b ⁺	Supplementary Figure 16f-> Supplementary Figure 7a
	MHCII ⁺ CD11c ^{hi} C D8 ⁺ cDCs	Immune cells/Singlets/MHCII ⁺ CD11 c ^{hi} / CD8 ⁺ CD11b ⁻	Supplementary Figure 16f-> Supplementary Figure 7a
	MHCII ⁺ CD11c ^{low} CD11b-B220 ⁺ LY6 C ⁺ pDCs	Immune cells/Singlets/MHCII ⁺ CD11 c ^{low} /CD11b ⁻ / B220 ⁺ LY6C ⁺	Supplementary Figure 16f-> Supplementary Figure 7a
Spleen	CD4 ⁺ CD25 ⁺ T _{reg} cells	Immune cells/Singlets/ CD4 ⁺ /CD25 ⁺	Supplementary Figure 17a-> Supplementary Figure 3a
Co-cultured cells	CD4 ⁺ T cells	Immune cells/Singlets/CD4 ⁺	Supplementary Figure 17b-> Supplementary Figure 10d