

SUPPLEMENTAL MATERIAL

Jinnohara et al., <https://doi.org/10.1084/jem.20160770>

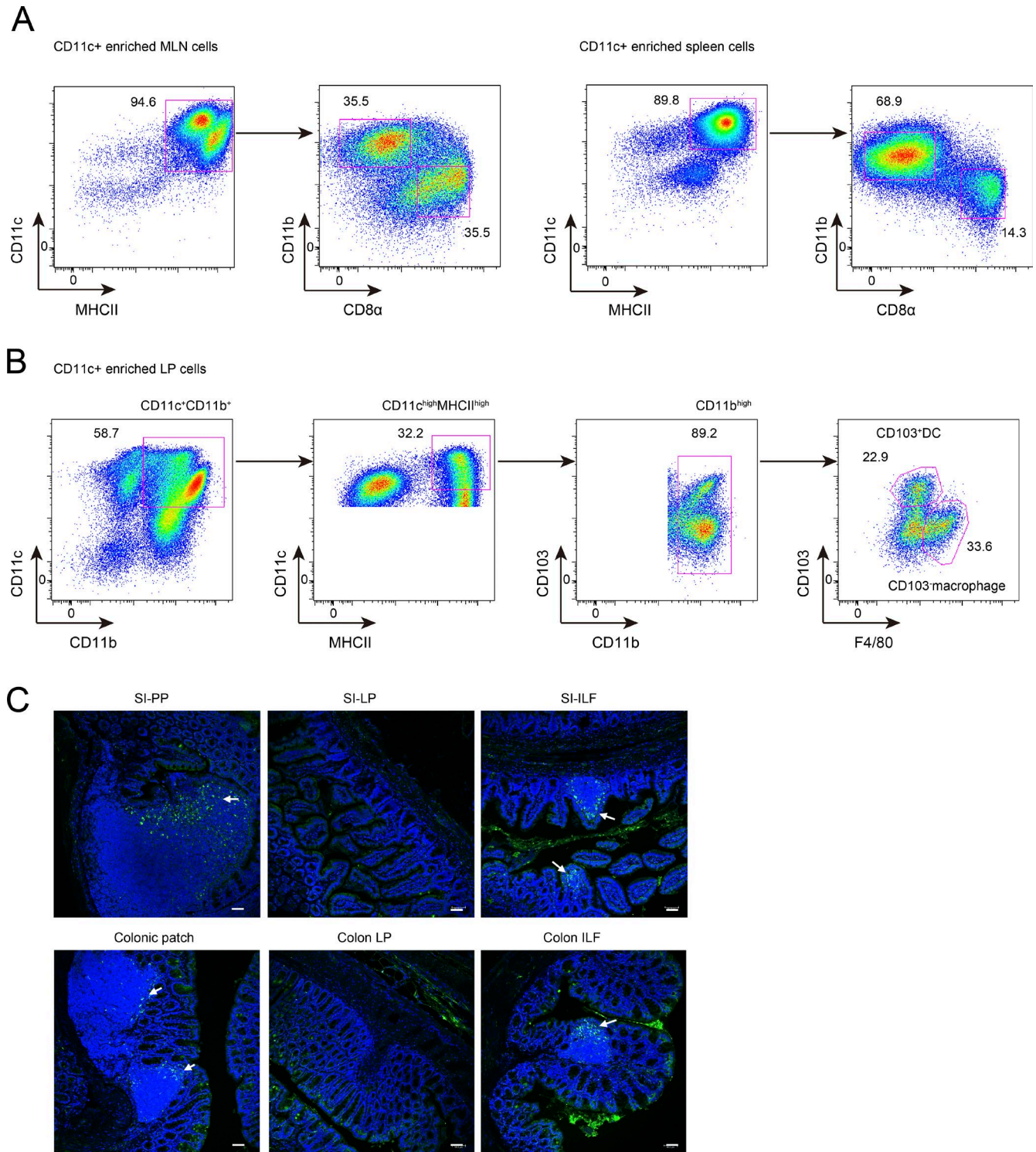
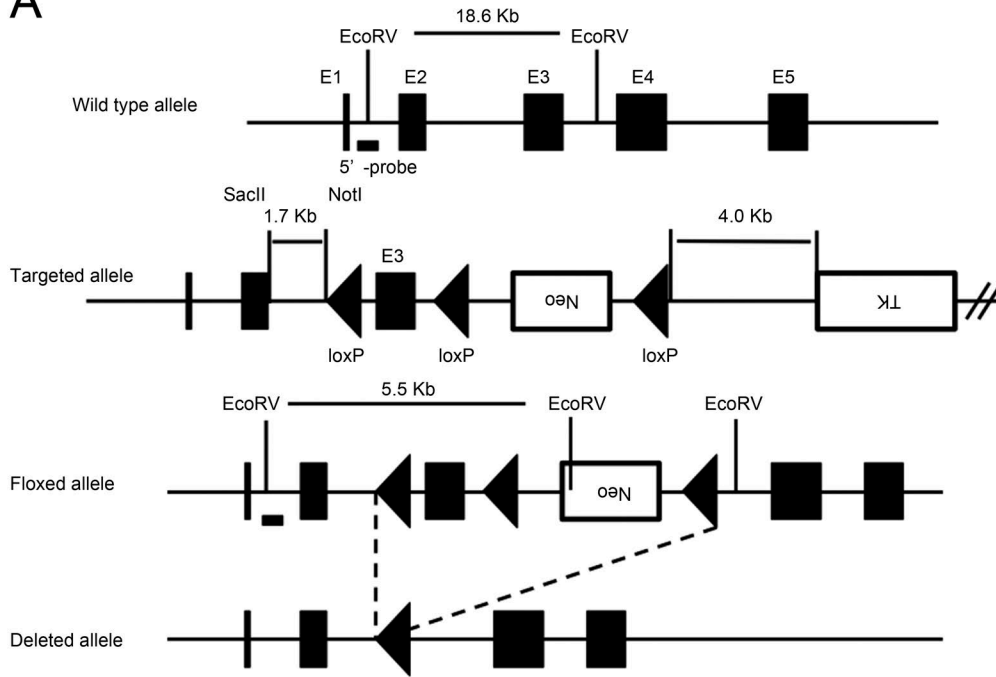
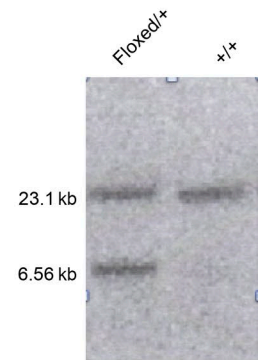


Figure S1. **Analysis of IL-22BP expression in intestine and lymphoid tissues.** (A) Gating strategy for DCs of the MLN and spleen. CD11c-enriched cells were stained with antibodies, and $CD3^{-}B220^{-}CD45^{+}$ cells were gated by the expression of CD11c and MHCII. Then, indicated populations were sorted. (B) Gating strategy for DCs and macrophages of the LP is shown. CD11c-enriched cells were stained with antibodies, and $CD3^{-}B220^{-}CD45^{+}$ cells were gated by the expression of CD11c and CD11b. Then, indicated populations were sorted. Data were pooled from three independent experiments. (C) Immunostaining of IL-22BP protein in small intestinal (SI) tissue sections. Green colors indicate IL-22BP. Signals in the lumen and apex of epithelial cells represent nonspecific binding of anti-IL-22BP antibodies. Arrows indicate IL-22BP-positive cells in the SED region of the PP, isolated lymphoid follicle (ILF), or colonic patch. Data are pooled from at least three mice. Bars, 50 μ m.

A



B



C

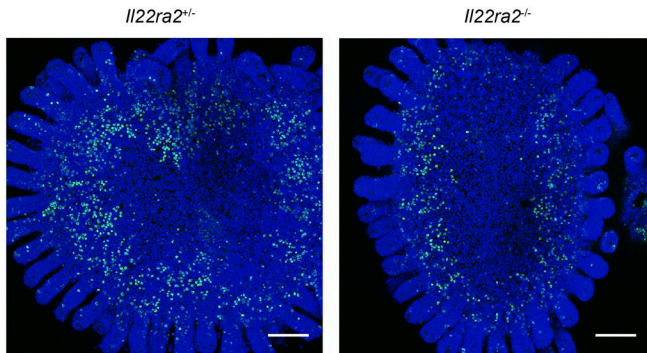


Figure S2. **Generation of IL-22BP-deficient mice.** (A) The targeting strategy for the *Il22ra2* gene is shown. Exon 3 was flanked by loxP and deleted by crossing with CAG-Cre transgenic mice. (B) Successful targeting of *Il22ra2* was confirmed by Southern blotting analysis. (C) EdU-incorporating cells in the FAE. EdU was intraperitoneally injected to *Il22ra2*^{+/+} and *Il22ra2*^{-/-} mice, and 48 h after injection, EdU-positive cells of the FAE were examined. Data are pooled from three mice of each genotype. Bars, 100 μ m.

Table S1. Primer sequences used for this study

Primer name	Sequence (5'–3')
<i>Ii22ra2</i> in situ Fw	ATAGGATCCATGATGCCTAAGCATTGCCTTCTA
<i>Ii22ra2</i> in situ Rv	TGACTCGAGTGGAAATGTCACACATCTCTCCT
<i>Gapdh</i> qPCR Fw	TGTGTCCGTCGTGGATCTGA
<i>Gapdh</i> qPCR Rv	TTGCTGTTGAAGTCGCAGGAG
<i>Actb</i> qPCR Fw	GATCTGGCACCACACCTTCT
<i>Actb</i> qPCR Rv	GGGGTGTGAAGTCTCAA
<i>Ii22</i> qPCR Fw	TGACGACCAGAACATCCAGA
<i>Ii22</i> qPCR Rv	AGCTTCTTCTCGCTCAGACG
<i>Ii22ra1</i> qPCR Fw	TGCTCTTTTCCATGGGTTTC
<i>Ii22ra1</i> qPCR Rv	AAGCGTAGGGGTTGAAAGGT
<i>Ii22ra2</i> qPCR Fw	TATTTTGACTGGCAAGCAG
<i>Ii22ra2</i> qPCR Rv	CCCATTGGCTCTGTCCATAC
<i>Gp2</i> qPCR Fw	GATACTGCACAGACCCCTCCA
<i>Gp2</i> qPCR Rv	GCAGTCCGGTCATTGAGGTA
<i>Spib</i> qPCR Fw	AGCGCATGACGTATCAGAAGC
<i>Spib</i> qPCR Rv	GGAATCCTATACACGGCACAGG
<i>Ccl20</i> qPCR Fw	AAAAGGGCTGTGAACCTCCT
<i>Ccl20</i> qPCR Rv	ACCCCAGCTGTGATCATTTT
<i>Cxcl16</i> qPCR Fw	GTGGGTCGGTGAAGTACTAGTG
<i>Cxcl16</i> qPCR Rv	ACTGGCTTGAGGCAAATGTT
<i>Psg18</i> qPCR Fw	AGCAACGAAGTCCATCATCAGAG
<i>Psg18</i> qPCR Rv	AAGAGCCAACGGATGGAGATC
<i>Reg3g</i> qPCR Fw	CCTGTGCTCCTTTCTCAGG
<i>Reg3g</i> qPCR Rv	ATGTCCTGAGGGCCTCTTT
<i>Muc3</i> qPCR Fw	TTCTATGGGCCACGGTGT
<i>Muc3</i> qPCR Rv	TGGTACTGTCACACTCACTTCC
<i>Fut2</i> qPCR Fw	GCGGTTTCGTCCATTCTTA
<i>Fut2</i> qPCR Rv	AAAGTACCTGGGCACTCG

Fw, forward; qPCR, quantitative PCR; Rv, reverse.