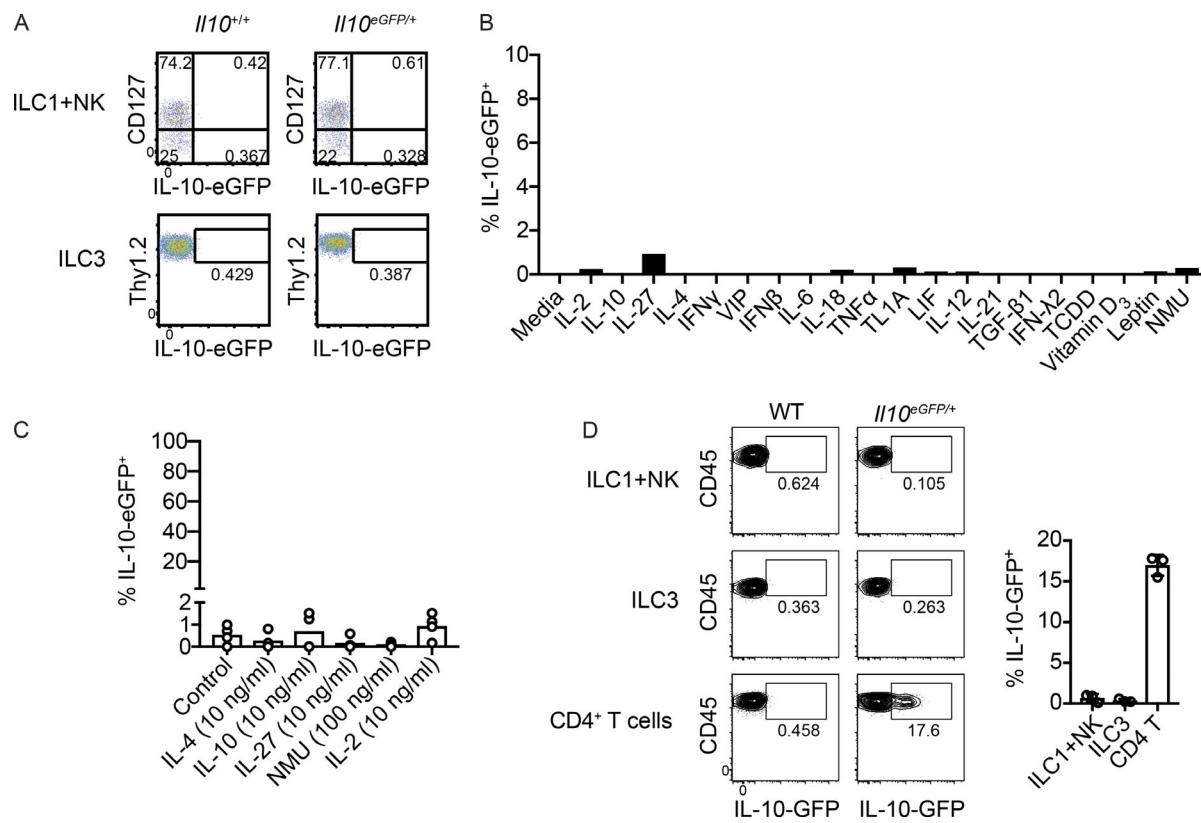


## Supplemental material

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**Figure S1. IL-10 production in NK cells, ILC1s, and ILC3s.** **(A)** Expression of IL-10-eGFP in NK1.1<sup>+</sup> cells (pooled ILC1s and NK cells) and ILC3s isolated from naive small intestine lamina propria. **(B)** Screen for IL-10 elicitors using sorted small intestine ILC3s cultured for 2 d with IL-23, IL-1 $\beta$ , IL-7, and a candidate mediator. **(C)** Expression of IL-10-eGFP in small intestine lamina propria ILC3s sorted from biological replicates and cultured for 2 d with IL-23, IL-1 $\beta$ , IL-7, and molecules that were found to induce IL-10 in ILC2s ( $n = 4$ ). **(D)** Expression of IL-10-eGFP in NK1.1<sup>+</sup> cells (pooled ILC1s and NK cells), ILC3s, and CD4<sup>+</sup> T cells isolated from small intestine lamina propria of mice 4 d after inoculation with 10<sup>8</sup> CFU of *C. difficile* VPI 10463 ( $n = 3$ ). Bars indicate means  $\pm$  SD. Data from A, C, and D are representative of two independent experiments.

Table S1. Antibodies and secondary reagents

Antibody or secondary reagent	Catalog number	Company
Anti-CD3e PerCP-cy5.5	100328	BioLegend
Anti-CD4 PerCP-cy5.5	100434	BioLegend
Anti-CD5 PerCP-cy5.5	100624	BioLegend
Anti-CD8a PerCP-cy5.5	100734	BioLegend
Anti-CD19 PerCP-cy5.5	115534	BioLegend
Anti-CD11b PerCP-cy5.5	101228	BioLegend
Anti-CD11c PerCP-cy5.5	45-0114-82	eBioscience
Anti-Gr-1 PerCP-cy5.5	108428	BioLegend
Anti-NK1.1 PerCP-cy5.5	108728	BioLegend
Anti-Ter119 PerCP-cy5.5	116228	BioLegend
Anti-B220 PerCP-cy5.5	103236	BioLegend
Anti-CD45 APC/cy7	103116	BioLegend
Anti-CD127 biotin	135006	BioLegend
Anti-CD90.2 APC	105312	BioLegend
Anti-CD4 APC	17-0041-83	eBioscience
Anti-CD11c PE-cy7	117318	BioLegend
Anti-CD11b APC/cy7	101226	BioLegend
Anti-B220 Pacific Blue	103227	BioLegend
Anti-CD3e BV421	562600	BD Biosciences
Anti-GATA3 AF488	560163	BD Biosciences
Anti-ROR $\gamma$ t PE	12-6988-82	eBioscience
Anti-F4/80 PerCP-cy5.5	123128	BioLegend
Anti-T-bet BV421	563318	BD Biosciences
Anti-IL-25R PE	12-7361-80	eBioscience
Anti-KLRG1 APC	138412	BioLegend
Anti-NKp46 biotin	137616	BioLegend
Anti-NK1.1 PE-cy7	108714	BioLegend
SA-PE-cy7	25-4317-82	eBioscience
SA-BV421	563259	BD Biosciences

Table S2. Soluble mediators

Molecule	Catalog number	Company
Mouse IL-25	1399-IL	R&D
Mouse IL-33	210-33	PeProtech
Mouse TSLP	555-TS	R&D
Mouse IL-2	402-ML	R&D
Mouse IL-10	210-10	PeProtech
Mouse IL-27	577402	BioLegend
Mouse IL-4	214-14	PeProtech
Mouse IFNy	315-05	PeProtech
VIP	1911	Tocris
Mouse IFN $\beta$	12400-1	PBL Assay Science
Mouse IL-6	406-ML	R&D
Mouse IL-18	767002	BioLegend
Mouse TL1A	1896-TL/CF	R&D
TNF $\alpha$	315-01A	PeProtech
Human LIF	300-05	PeProtech
Mouse IL-12 p70	210-12	PeProtech
Mouse IL-21	210-21	PeProtech
Human TGF- $\beta$ 1	100-21	PeProtech
Human IFN- $\lambda$ 2	300-02K	PeProtech
2,3,7,8-TCDD	48599	Supelco
1 $\alpha$ ,25-Dihydroxyvitamin D $_3$	D1530	Sigma
Human leptin	300-27	PeProtech
Human NMU-25	17617	Cayman Chemical
Mouse IL-1 $\beta$	401-ML	R&D
Mouse IL-23	1887-ML	R&D