

Supporting Information

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Table S1. Cytokines regulated by hRetn during endotoxic shock

Cytokine	Naive		LPS-challenged		
	Tg ⁻	Tg ⁺	C57BL/6	Tg ⁻	Tg ⁺
IFN γ	ND	ND	1,236 \pm 179.4	459.6 \pm 98.59	152.4 \pm 46.84
IL-12p70	ND	ND	148.0 \pm 4.2	89.4 \pm 4.8	49.9 \pm 13.2
IL-13	ND	ND	38.3 \pm 3.4	30.7 \pm 3.3	35.36 \pm 3.4
IL-1 β	4.8 \pm 1.5	5.5 \pm 2.7	176.0 \pm 24.5	143.5 \pm 34.8	112.8 \pm 48.0
IL-2	ND	ND	25.5 \pm 8.0	76.03 \pm 33.7	34.3 \pm 17.3
IL-4	2.1 \pm 1.7	2.2 \pm 1.1	24.3 \pm 1.1	18.0 \pm 2.2	14.4 \pm 4.0
IL-5	ND	ND	474.1 \pm 86.3	201.5 \pm 20.6	194.7 \pm 27.2
IL-6	11.2 \pm 6.6	17.0 \pm 9.8	78,647 \pm 5,830	42,149 \pm 2,913	23,779 \pm 8,731
TNF α	0.3 \pm 0.2	7.5 \pm 2.9	911.5 \pm 97.3	749.7 \pm 79.7	309.3 \pm 123.6
GM-CSF	3.5 \pm 3.0	6.6 \pm 6.6	157.3 \pm 6.0	132.8 \pm 5.3	74.03 \pm 15.2
IL-18	ND	ND	3,658 \pm 136.2	15,587 \pm 2,520	11,194 \pm 3,065
IL-10	ND	ND	248.1 \pm 58.8	348.9 \pm 23.33	722.8 \pm 47.2
IL-17a	4.0 \pm 2.6	5.9 \pm 3.0	108.0 \pm 12.6	54.08 \pm 11.8	46.23 \pm 13.8
IL-22	5.9 \pm 5.9	ND	48,239 \pm 3,259	24,175 \pm 6,096	18,114 \pm 6,877
IL-23	ND	9.4 \pm 9.4	165.5 \pm 19.6	140.6 \pm 26.8	104.5 \pm 16.0
IL-27	7.3 \pm 1.0	10.05 \pm 1.8	404.6 \pm 17.0	137.2 \pm 33.7	63.4 \pm 14.5
IL-9	ND	ND	180.5 \pm 10.5	121.7 \pm 26.0	91.11 \pm 15.4
GRO- α	34.0 \pm 8.1	24.2 \pm 1.6	95,373 \pm 6,020	48,714 \pm 10,385	48,984 \pm 11,858
IP-10	6.1 \pm 0.3	7.2 \pm 1.6	2,209 \pm 212.7	1,171 \pm 177.6	1,358 \pm 259.1
MCP-1	ND	ND	122,252 \pm 11,059	82,231 \pm 13,726	71,782 \pm 20,250
MCP-3	38.7 \pm 11.2	35.62 \pm 7.8	4,226 \pm 99.8	3,530 \pm 475.4	3,571 \pm 469.3
MIP-1 α	ND	ND	1,123 \pm 97.7	248 \pm 76.1	153.9 \pm 30.1
MIP-1 β	ND	ND	4,253 \pm 310.6	1,310 \pm 345.3	862.3 \pm 221.3
MIP-2	27.92 \pm 5.8	31.4 \pm 6.3	6,932 \pm 585.3	3,262 \pm 469.1	2,352 \pm 793.7
RANTES	ND	ND	4,376 \pm 133.9	2,327 \pm 404.9	1,622 \pm 382.4
Eotaxin	66.6 \pm 13.6	76.23 \pm 10.5	3,879 \pm 98.1	2,708 \pm 341.2	2,113 \pm 398.9
IL-28	148.3 \pm 31.8	155.5 \pm 32.1	539.6 \pm 215.5	506.2 \pm 215.6	436.3 \pm 159.8
IL-3	3.4 \pm 0.6	3.9 \pm 0.5	3.8 \pm 0.2	3.2 \pm 0.5	3.6 \pm 0.4
G-CSF	ND	ND	3,520 \pm 442.2	2,717 \pm 386.4	2,672 \pm 301.7
M-CSF	ND	ND	7.0 \pm 0.8	23.8 \pm 3.5	38.7 \pm 11.4
LIF	ND	ND	604.7 \pm 52.81	311.8 \pm 69.8	191.9 \pm 58.7
IL-1 α	47.2 \pm 3.4	49.0 \pm 1.7	124.0 \pm 4.6	147.3 \pm 16.2	114.0 \pm 14.7
ENA-78	164.4 \pm 86.5	195.1 \pm 77.5	3,713 \pm 360.2	3,623 \pm 292.8	3,054 \pm 667.8

WT, hRETNTg⁻ and hRETNTg⁺ mice were left naive or challenged with two doses of LPS and serum was collected 6 h after the second dose. Cytokines (pg/mL) in the serum were measured by Luminex. ND, not detected.

Table S2. hRETNTg insertion sites in the transgenic mice

Mouse	Chromosome	Position	Location
hRETNTg ⁺	X	138412518	Intron of <i>Il1rapl2</i>
Tg2	1	93446321	Intron of <i>Hdlbp</i>
	1	165624851	Intron of <i>Mpzl1</i>
	3	33231313	Noncoding region
	5	57598562	Noncoding region
	6	28049256	Intron of <i>Grm8</i>
	7	51435070	Noncoding region
	7	63552133	Intron of <i>Otud7a</i>
	10	109378627	Noncoding region