

Online Supporting Material

Supplemental Table 1. mRNA relative expression levels for selected cytokines in rat lung homogenates of *M. tuberculosis*-infected rats treated with RA

Cytokine	Week after infection	Relative intensity <sup>1</sup>		P for treatment
		Control	RA+	
IFN $\gamma$	1	1.1 $\pm$ 0.1	1.7 $\pm$ 0.1	0.001
	3	2.5 $\pm$ 0.1	2.8 $\pm$ 0.1	
	5	5.8 $\pm$ 0.3	15.1 $\pm$ 1.1	
TNF $\alpha$	1	0.7 $\pm$ 0.01	0.3 $\pm$ 0.01	0.001
	3	0.4 $\pm$ 0.01	1.1 $\pm$ 0.01	
	5	0.4 $\pm$ 0.01	1.0 $\pm$ 0.1	
iNOS	1	0.03 $\pm$ 0.00	0.1 $\pm$ 0.01	0.001
	3	0.12 $\pm$ 0.01	0.6 $\pm$ 0.03	
	5	1.5 $\pm$ 0.01	11.6 $\pm$ 1.0	
IL-1 $\beta$	1	0.02 $\pm$ 0.00	0.1 $\pm$ 0.01	0.001
	3	0.7 $\pm$ 0.02	1.7 $\pm$ 0.01	
	5	0.5 $\pm$ 0.01	1.1 $\pm$ 0.01	
IL-2	1	2.2 $\pm$ 0.2	5.5 $\pm$ 0.04	0.001
	3	0.9 $\pm$ 0.02	1.6 $\pm$ 0.01	
	5	0.5 $\pm$ 0.01	1.1 $\pm$ 0.00	

IL-4				
	1	0	$0.1 \pm 0.01$	
	3	$2.0 \pm 0.01$	$3.5 \pm 0.02$	
	5	$1.7 \pm 0.01$	$1.4 \pm 0.01$	
IL-6				
	1	0	$0.03 \pm 0.00$	
	3	$6.6 \pm 0.02$	$2.9 \pm 0.02$	
	5	$11.0 \pm 0.1$	$6.6 \pm 0.1$	
IL-10				
	1	$0.04 \pm 0.00$	$0.2 \pm 0.00$	
	3	$7.5 \pm 0.03$	$5.0 \pm 0.5$	
	5	$4.6 \pm 0.02$	$5.0 \pm 0.03$	
IL-12p40				
	1	$1.8 \pm 0.01$	$5.0 \pm 0.04$	0.001
	3	$7.2 \pm 0.03$	$3.2 \pm 0.03$	0.001
	5	$3.0 \pm 0.01$	$4.1 \pm 0.03$	
IP-10				
	1	$1.1 \pm 0.01$	$3.4 \pm 0.2$	0.001
	3	$1.5 \pm 0.01$	$1.6 \pm 0.1$	
	5	$12.4 \pm 1.1$	$21.4 \pm 2.0$	

---

<sup>1</sup>Relative to GAPDH mRNA for the same sample. Values are the means  $\pm$  SEM for  $n = 3$  rats. Differences due to RA were evaluated for each time by  $t$ -test. As the kinetics of these cytokines are known to differ, time was not evaluated as a factor.

Online Supporting Material

Supplemental Table 2. mRNA relative expression levels for selected cytokines in rat spleen homogenates of *M. tuberculosis*-infected rats treated with RA

Cytokine	Week after infection	Relative intensity <sup>1</sup>		P for treatment
		Control	RA+	
IFN $\gamma$	1	1.3 $\pm$ 0.1	5.3 $\pm$ 0.02	0.001
	3	2.2 $\pm$ 0.2	0.8 $\pm$ 0.1	
	5	0.7 $\pm$ 0.1	0.3 $\pm$ 0.02	
TNF $\alpha$	1	0.5 $\pm$ 0.05	4.5 $\pm$ 0.4	0.001
	3	0.6 $\pm$ 0.05	0.7 $\pm$ 0.1	
	5	0.4 $\pm$ 0.02	0.3 $\pm$ 0.03	
iNOS	1	1.4 $\pm$ 0.1	3.1 $\pm$ 0.03	0.001
	3	0.8 $\pm$ 0.1	1.0 $\pm$ 0.1	
	5	1.6 $\pm$ 0.1	0.5 $\pm$ 0.03	
IL-1 $\beta$	1	2.0 $\pm$ 0.2	11.9 $\pm$ 1.2	0.001
	3	1.6 $\pm$ 0.1	0.6 $\pm$ 0.04	
	5	0.8 $\pm$ 0.1	0.2 $\pm$ 0.02	
IL-2	1	0	5.8 $\pm$ 0.5	0.001
	3	0	0.7 $\pm$ 0.1	
	5	0	0.2 $\pm$ 0.01	

IL-4				
	1	$0.9 \pm 0.1$	$1.1 \pm 0.1$	
	3	$0.5 \pm 0.04$	$0.7 \pm 0.1$	
	5	$0.2 \pm 0.02$	$0.5 \pm 0.03$	0.001
IL-6				
	1	$1.1 \pm 0.1$	$1.0 \pm 0.1$	
	3	$0.8 \pm 0.1$	$1.1 \pm 0.1$	
	5	$1.0 \pm 0.1$	$0.7 \pm 0.1$	
IL-10				
	1	$2.1 \pm 0.2$	$1.4 \pm 0.1$	
	3	$1.1 \pm 0.1$	$1.7 \pm 0.2$	
	5	$1.1 \pm 0.1$	$1.3 \pm 0.1$	
IL-12p40				
	1	$1.3 \pm 0.1$	$1.3 \pm 0.1$	
	3	$1.7 \pm 0.2$	$1.5 \pm 0.2$	
	5	$0.9 \pm 0.1$	$1.3 \pm 0.1$	
IP-10				
	1	$1.0 \pm 0.1$	$0.7 \pm 0.1$	
	3	$1.0 \pm 0.1$	$1.1 \pm 0.1$	
	5	$0.9 \pm 0.1$	$0.8 \pm 0.1$	

---

<sup>1</sup>Relative to GAPDH mRNA for the same sample. Values are the means  $\pm$  SEM for  $n = 3$  rats. Differences due to RA were evaluated for each time by *t*-test. As the kinetics of these cytokines are known to differ, time was not evaluated as a factor.