IL-4 mediated resistance of BALB/c mice to visceral leishmaniasis is independent of IL-4Rα signalling via T cells'.

SUPPLEMENTARY INFORMATION

Table S1: *L. donovani* parasite burdens in the spleen, liver and bone marrow of $CD4^+$ T cell-specific IL-4Rα-deficient (Lck^{cre}IL-$4R\alpha^{-/lox}$), wild-type littermate control (IL-$4R\alpha^{-/lox}$) and global IL-$4R\alpha^{-/-}$ BALB/c mice at different times post-infection. Mice were infected with *L. donovani* on day 0 and parasite burdens were determined on day 14 or 15 in separate experiments.

Treatment	Mean parasite burden ± SE		
	Spleen	Liver	Bone marrow
Day 14			
WT (IL-$4R\alpha^{-/lox}$)	194 ± 16	4144 ± 256	1038 ± 31
$CD4^+$ T cell-specific IL-4Rα-deficient (Lck^{cre}IL-$4R\alpha^{-/lox}$)	223 ± 45	3597 ± 560	947± 108
Global IL-$4R\alpha^{-/-}$	214± 31	4223 ± 337	788 ± 181
Day 15			
WT (IL-$4R\alpha^{-/lox}$)	91 ± 16	2349 ± 192	387 ± 106
$CD4^+$ T cell-specific IL-4Rα-deficient (Lck^{cre}IL-$4R\alpha^{-/lox}$)	143 ± 19	2312 ± 192	528 ± 99

Table S2: Granuloma maturation in *L. donovani* infected $CD4^+$ T cell-specific IL-4Rα-deficient (Lck^{cre}IL-$4R\alpha^{-/lox}$), wild-type littermate control (IL-$4R\alpha^{-/lox}$) and global IL-$4R\alpha^{-/-}$ BALB/c mice at day 14 and 15 post-infection in separate experiments. ND – not determined.

Granuloma stage	Strain		
	WT control (IL-$4R\alpha^{-/lox}$)	**$CD4^+$ T cell-specific IL-4Rα-deficient (Lck^{cre}IL-$4R\alpha^{-/lox}$)**	**Global IL-$4R\alpha^{-/-}$**
Day 14			
Sterile	1.5 ± 1.1	0.4 ± 0.7	0.6 ± 1.1
Mature	6.8 ± 1.1	3.1 ± 1.7	2.7 ± 2.7
Immature	29.6 ± 7.1	22.7 ± 6.4	17.4 ± 5.6
Kupffer cells	61.9 ± 6.7	73.3 ± 7.9	67.2 ± 8.3
Day 15			
Sterile	2.00 ± 0.8	1.03 ± 0.9	ND
Mature	8 ± 2.5	5.83 ± 0.9	ND
Immature	28.18 ± 3.3	30.30 ± 3.6	ND
Kupffer cells	59.32 ± 9.0	62.5 ± 3.3	ND

Fig. S1: Representative photomicrographs of the hepatic granuloma response in *L. donovani* infected wild-type (IL-4Rα$^{-/lox}$), CD4^{+} T cell-specific IL-4Rα-deficient (Lck^{cre}IL-4Rα$^{-/lox}$) and global IL-4Rα$^{-/-}$ mice at day 15 post-infection. Immature granulomas and amastigotes within the Kupffer cells at Day 15 are denoted by (arrows).