STAT6-mediated suppression of erythropoiesis in an experimental model of malarial anemia

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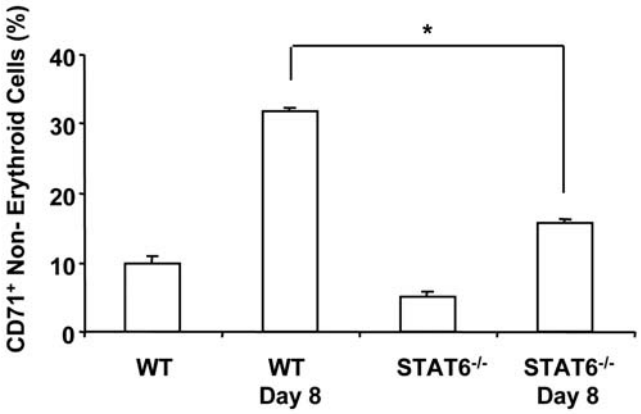
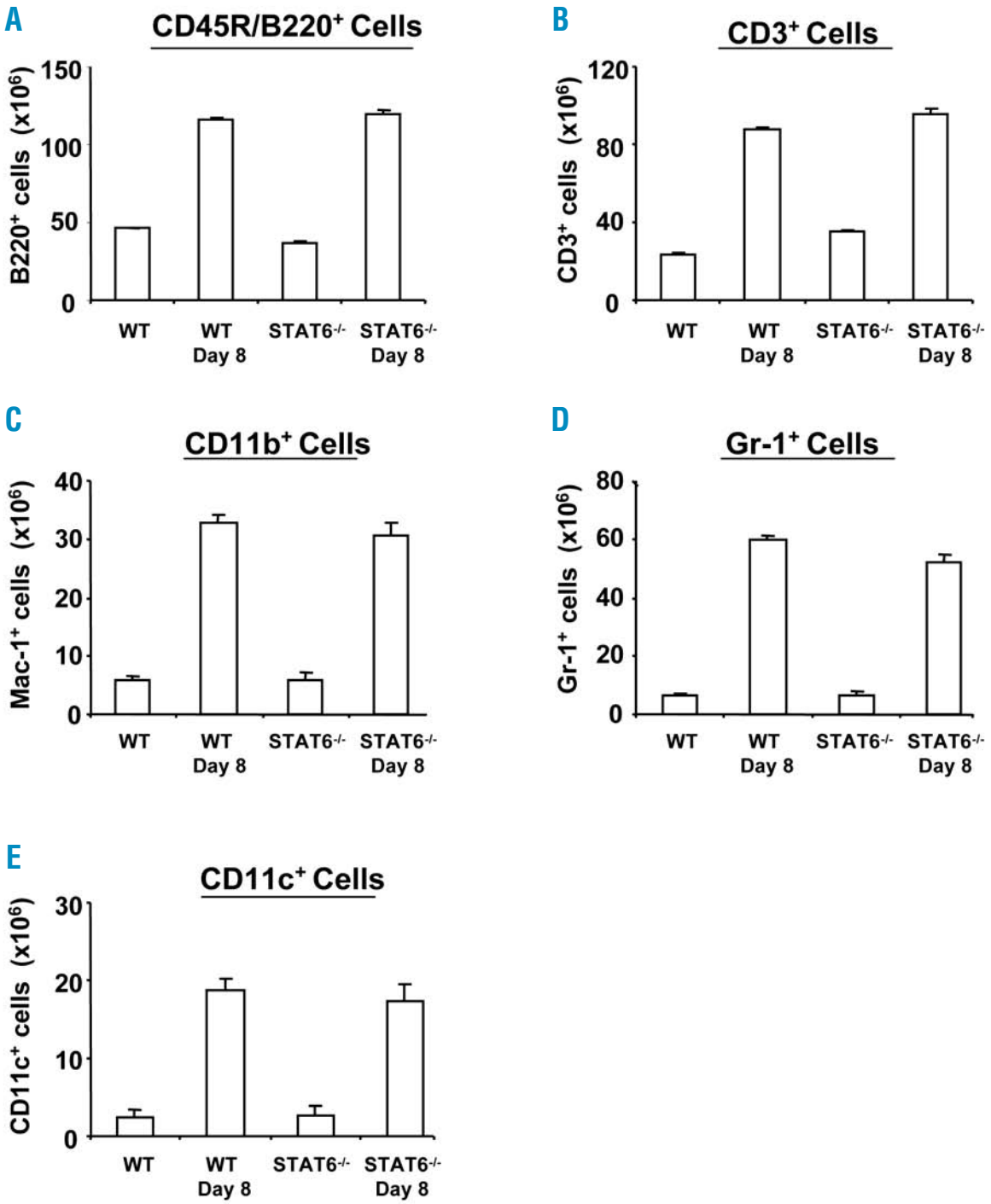
Supplementary Table S1. Spleen weights and cellularities of naïve and infected *P. chabaudi*-infected WT and STAT6$^{-/-}$ mice[a,b].

	Spleen weights (mg)	Spleen cellularities (x10^6 cells)
WT	127.70±18.2	108.00±12.7
WT day 8	386.00±8.0[1]	269.00±38.8[1]
STAT6$^{-/-}$	101.25±5.2	103.00±6.4
STAT6$^{-/-}$ day 8	407.33±30.6[1]	233.00±22.1[1]
WT + EPO	257.00±13.0	214.00±13.0
WT day 8 + EPO	413.33±64.4[1]	311.00±19.1[1]
STAT6$^{-/-}$ + EPO	250.67±15.8	226.67±6.8
STAT6$^{-/-}$ day 8 + EPO	496.00±28.0[1]	292.67±15.0[1]

[a]Naïve mice or mice infected intraperitoneally with 10^6 parasitized red blood cells on day 0 were either untreated or treated with 10 U EPO on three consecutive days corresponding to days 5, 6 and 7 p.i. Spleens were harvested from naïve and infected mice on day 8 p.i. (one day after completion of EPO treatment) and spleen weight and cellularity were determined. [b]Data are presented as means ± SEM for four mice per group. [1]p<0.05, WT vs. infected WT mice or naïve STAT6$^{-/-}$ vs. infected STAT6$^{-/-}$ mice. Similar results were obtained in four independent experiments.



Supplementary Figure S1. Flow cytometric analyses of splenocytes expressing CD71 following *P. chabaudi* infection in EPO-treated WT and STAT6$^{-/-}$ mice. Naïve mice or mice infected intraperitoneally with 10^6 parasitized red blood cells on day 0 were treated with 10 U EPO on three consecutive days corresponding to days 5, 6 and 7 p.i. Spleen cells were harvested 1 day after completion of EPO treatment (day 8 p.i.) and stained with fluorescein isothiocyanate-conjugated anti-CD71 and phycoerythrin-conjugated monoclonal antibody against CD3, CD45R/B220, CD11b, Gr-1, or CD11c. The frequency of non-erythroid splenocytes that expressed CD71 was calculated by summing the percentages of CD71$^+$ cells expressing lymphoid and myeloid markers. Data are presented as means ± SEM for four mice per group. *p<0.05, WT *vs.* STAT6$^{-/-}$ mice. Similar results were obtained in three independent experiments.



Supplementary Figure S2. Flow cytometric analyses of lymphoid and myeloid subpopulations in spleens from *P. chabaudi*-infected WT and STAT6$^{-/-}$ mice. Spleens were harvested from naïve mice or mice infected intraperitoneally with 10^6 parasitized red blood cells on day 8 p.i. The numbers of leukocyte subpopulations were identified using phycoerythrin-conjugated monoclonal antibodies against CD45R/B220, CD3, CD11b, Gr-1, and CD11c. Numbers of (A) CD45R/B220$^+$ cells, (B) CD3$^+$ cells, (C) CD11b$^+$ cells, (D) Gr-1$^+$ cells, and (E) CD11c$^+$ cells in naïve and infected WT and STAT6$^{-/-}$ mice. Data are presented as means ± SEM for four mice per group. Similar results were obtained in three independent experiments.