SUPPLEMENTAL MATERIAL

Grainger et al., http://www.jem.org/cgi/content/full/jem.20101074/DC1

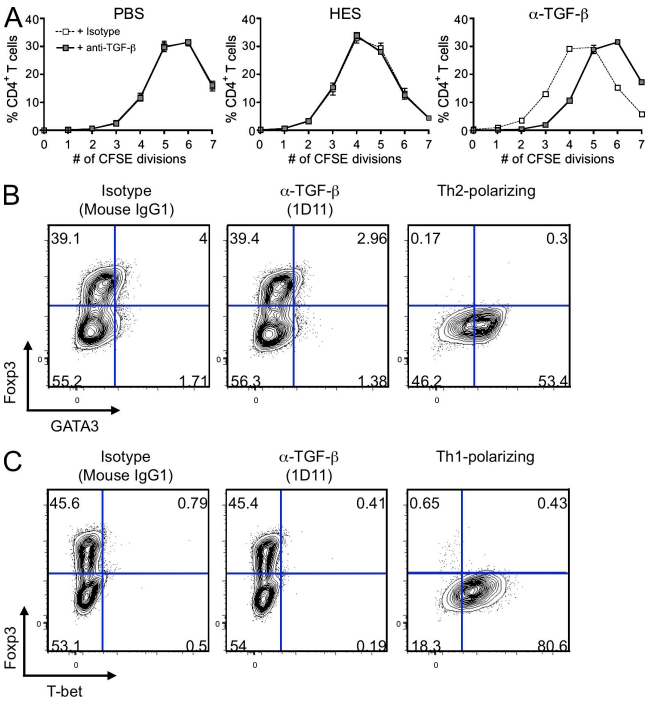

Figure S1. Treatment of HES with α–TGF-β does not affect proliferation, or trigger Th1/Th2-polarization, of naive CD4+ T cells. (A) Proliferation of CD4+ T cells, measured by CFSE, co-cultured with splenic DC in the presence of PBS, HES, or rhTGF-β1, pretreated with either α–TGF-β or mouse IgG1 isotype control. Error bars represent SEM. (B) GATA3 and Foxp3 expression in CD4+ T cells co-cultured with splenic DC in the presence of HES, pretreated with either α–TGF-β or mouse IgG1 isotype control or under Th2-polarizing conditions. (C) T-bet and Foxp3 expression in CD4+ T cells co-cultured with splenic DC in the presence of HES, pretreated with either α–TGF-β or mouse IgG1 isotype control or under Th1-polarizing conditions. Results shown are representative of two similar experiments performed with different batches of HES.

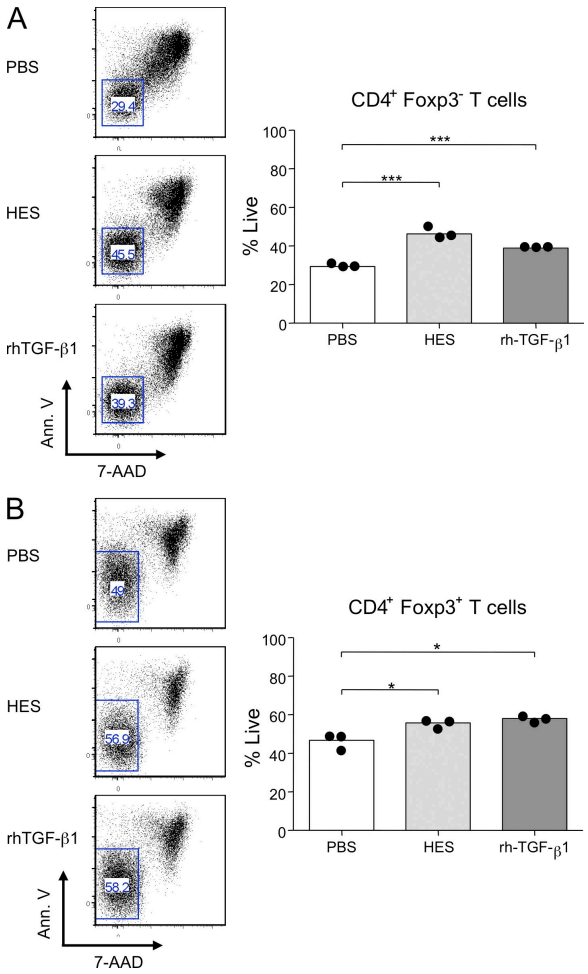

Figure S2. HES, like TGF-β, has an antiapoptotic effect and prolongs survival of T reg and effector CD4⁺ T cells. (A) Naive splenic cells were cultured in vitro for 5 d together with anti-CD3 in the presence of HES, TGF-β, or medium alone. Cells were then analyzed by flow cytometry for expression of the apoptosis-associated markers 7AAD and annexin V. ***, $P < 0.001$. (B) Foxp3-eGFP⁺ CD4⁺ T cells were cultured in the presence or absence of HES or TGF-β and cells analyzed by flow cytometry for expression of the apoptosis-associated markers 7AAD and annexin V. Results shown are representative of two similar experiments performed with different batches of HES. *, $P < 0.05$. Data points represent individual wells and bars represent mean values.

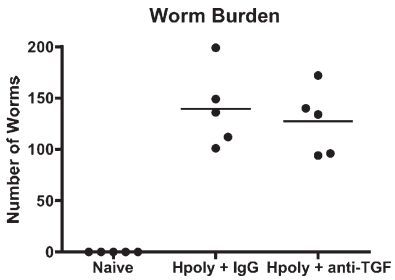

Figure S3. Antibody blocking of host TGF-β does not significantly change worm burden. C57BL/6 mice were infected with 200 *H. polygyrus* L3 cells by gavage. On days 31, 33, and 35, mice received 50 µg 1D11 monoclonal antibody or mouse IgG1 control by intraperitoneal injection, and adult worm numbers were counted at day 41. Two additional experiments, also with five mice per group and using up to five antibody doses at varying times, had a similar outcome. Bars represent mean values.