

Supporting Information

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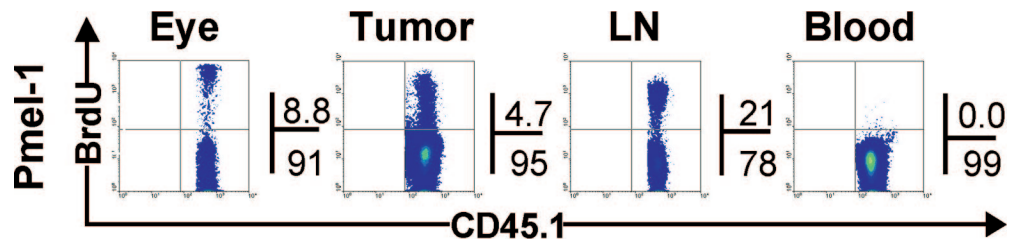


Fig. S1. MDA-specific CD8⁺ T cells proliferate in the eye. Proliferation of pmel-1 CD45.1⁺ T cells in multiple tissues 4 days after adoptive cell transfer and 2 h after BrdU injection (i.p.). Flow cytometric analysis of CD45.1⁺BrdU⁺ T cells in multiple organs after perfusion and harvest. Data are derived from 3 mice pooled and are representative of 2 independent experiments.

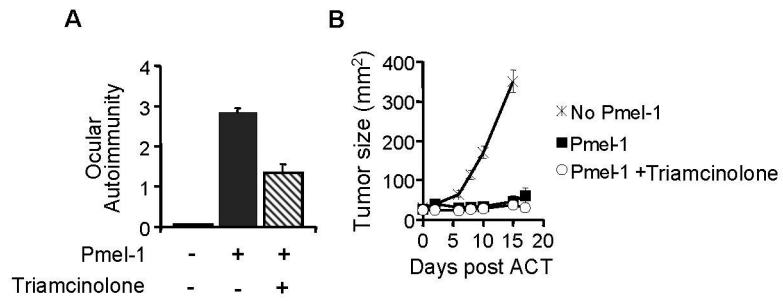


Fig. 52. Administration of high doses of steroids locally mitigate ocular autoimmunity without impairing the antitumor effect. (A) Evaluation of ocular autoimmunity 5 days after ACT of pmel-1 with or without periocular injection of triamcinolone. (B) Administration of local steroids does not impair tumor therapy. Mice treated with or without local steroids 1 day after ACT-therapy had durable regression of established tumor ($n = 5$ mice per group). Data are representative of two independently performed experiments.

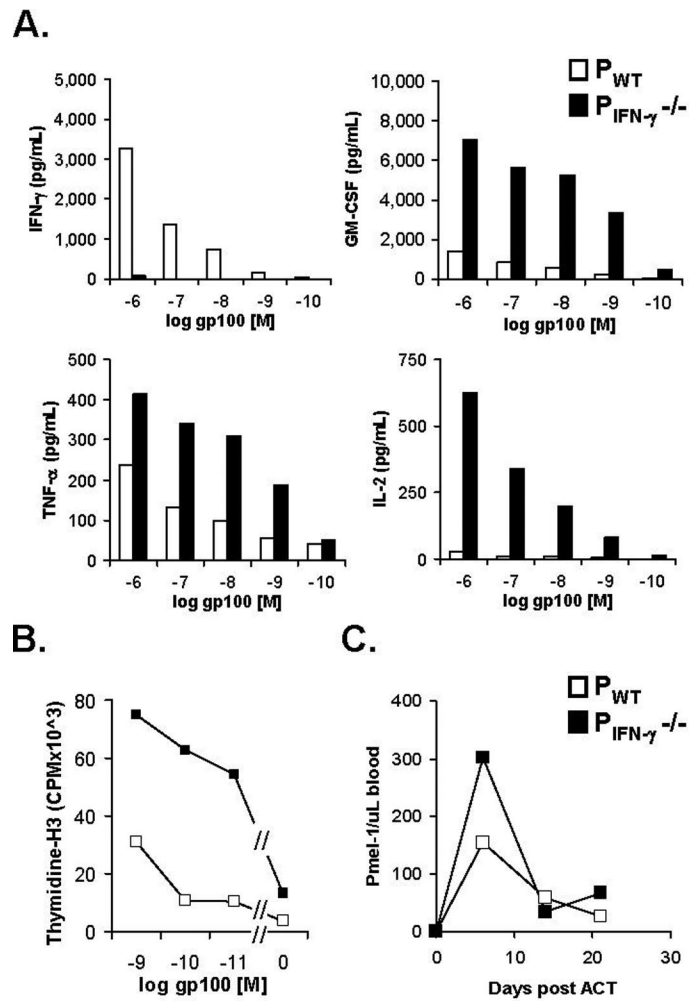


Fig. S4. IFN- γ -deficient pmel-1 T cells are hyperproliferative and secrete increased levels of cytokines. (A) Absence of IFN- γ results in increased effector cytokine production of activated pmel-1 T cells. Concentrations of IFN- γ , GM-CSF, TNF- α and IL-2 in supernatants from an overnight coculture of one week stimulated wild-type or IFN- γ ^{-/-} pmel-1 T cells with irradiated splenocytes pulsed with gp100₂₅₋₃₃ determined by ELISA. (B) Increased *in vitro* proliferation of IFN- γ deficient pmel-1 T cells. Thymidine-H3 incorporation in an overnight coculture of one week stimulated wild-type or IFN- γ ^{-/-} pmel-1 T cells with irradiated splenocytes pulsed with gp100₂₅₋₃₃. (C) Increased *in vivo* proliferation of IFN- γ deficient pmel-1 T cells. Enumeration of congenic wild-type or IFN- γ ^{-/-} pmel-1 T cells in blood after adoptive transfer determined by flow cytometry analysis and absolute lymphocyte count.

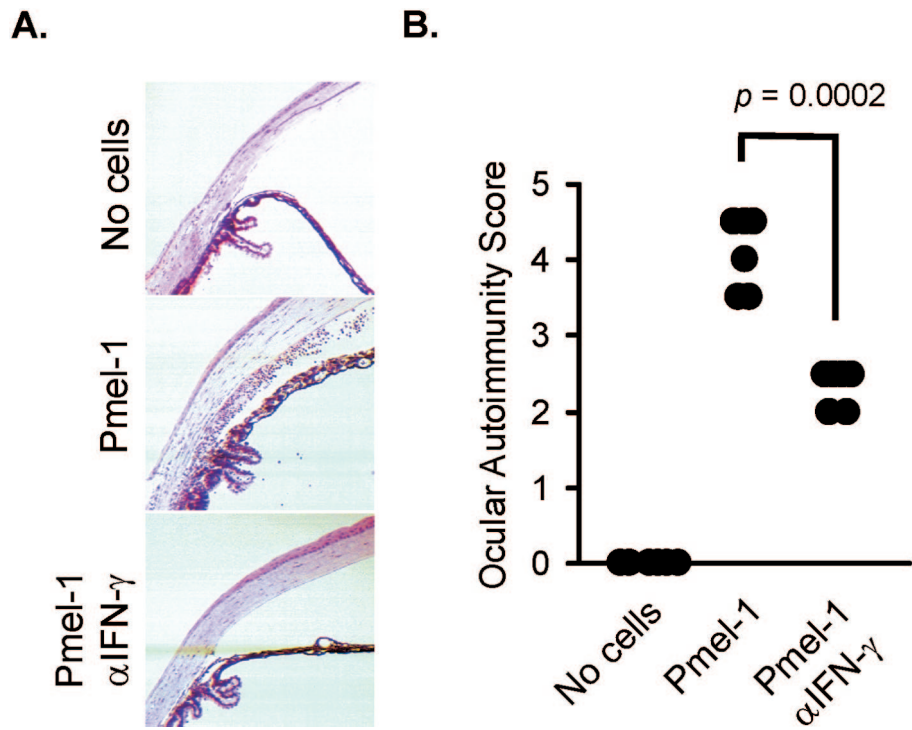


Fig. 55. Administration of IFN- γ neutralizing antibody diminishes ocular immunity. (A) Evaluation of ocular autoimmunity after ACT of pmel-1 with or without the administration IFN- γ neutralizing antibody. Images are representative of multiple fields. (B) The induction of ocular autoimmunity was blindly evaluated 5 days after the ACT. Data are representative of 2 independently performed experiments.