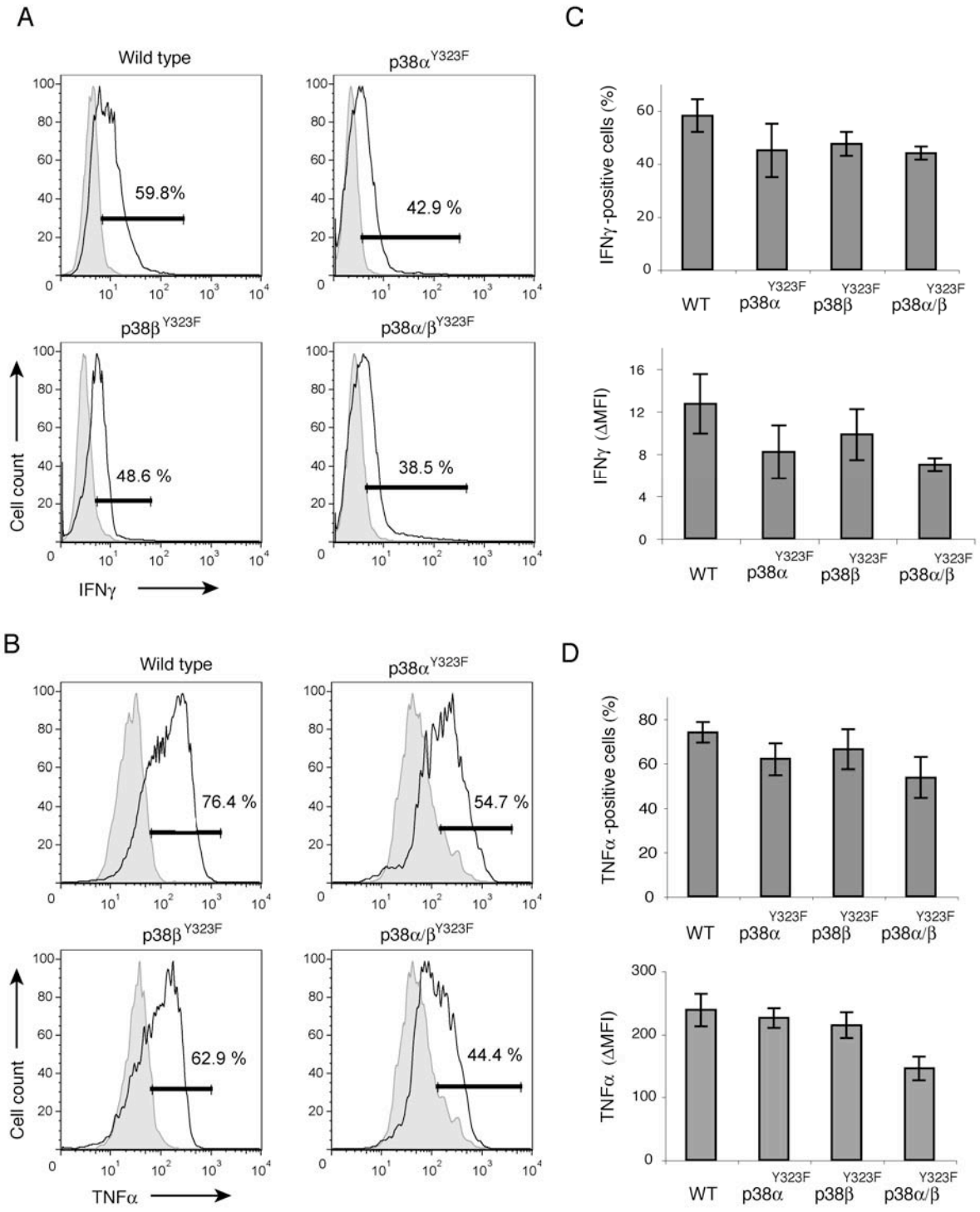

Figure S1. Production of TNF-α and IFN-γ is diminished in p38?Y323F and p38αβ^{Y323F} T cells
(A) Purified lymph node T cells were stimulated with plate-bound α-CD3/α-CD28 antibodies for 24 hr and IFN-γ detected by intracellular staining. The gray histograms represents unstimulated cells, and the numbers indicatd the percentage of positive cells. (B) T cells were cultured as in (A) and TNF-α was detected by intracellular staining. (C and D) Summary of three independent experiments for percentage and ΔMFI of IFN-γ- and TNF-α-positive cells. The bars represent the mean ± SEM.

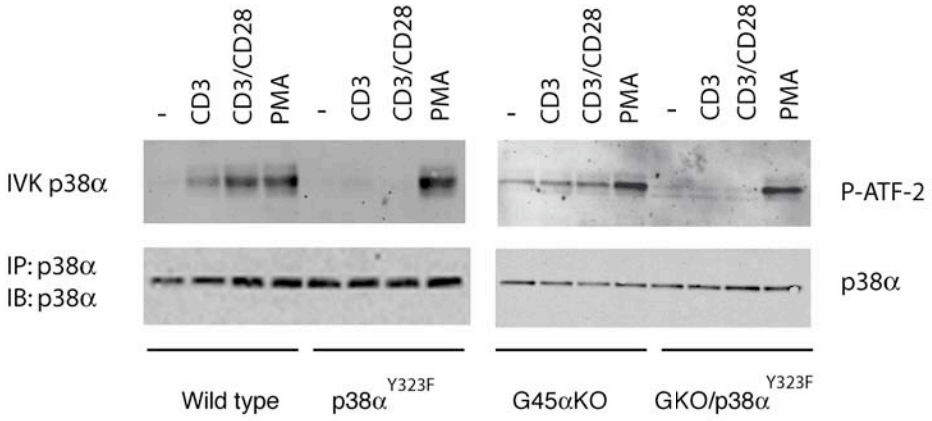

Figure S2. Introduction of p38α^{Y323F} into Gadd45α-deficient T cells prevents spontaneous and TCR-induced p38? activity. T cells purified from lymph nodes of wild type, p38α^{Y323F}, Gadd45αKO (GKO), and GKO/p38α^{Y323F} mice were stimulated with plate-bound α-CD3/α-CD28 for 30 min or with PMA for 10 min. p38α was immunoprecipitated from detergent lysates and an in vitro kinase assay was performed using ATF-2 as substrate.

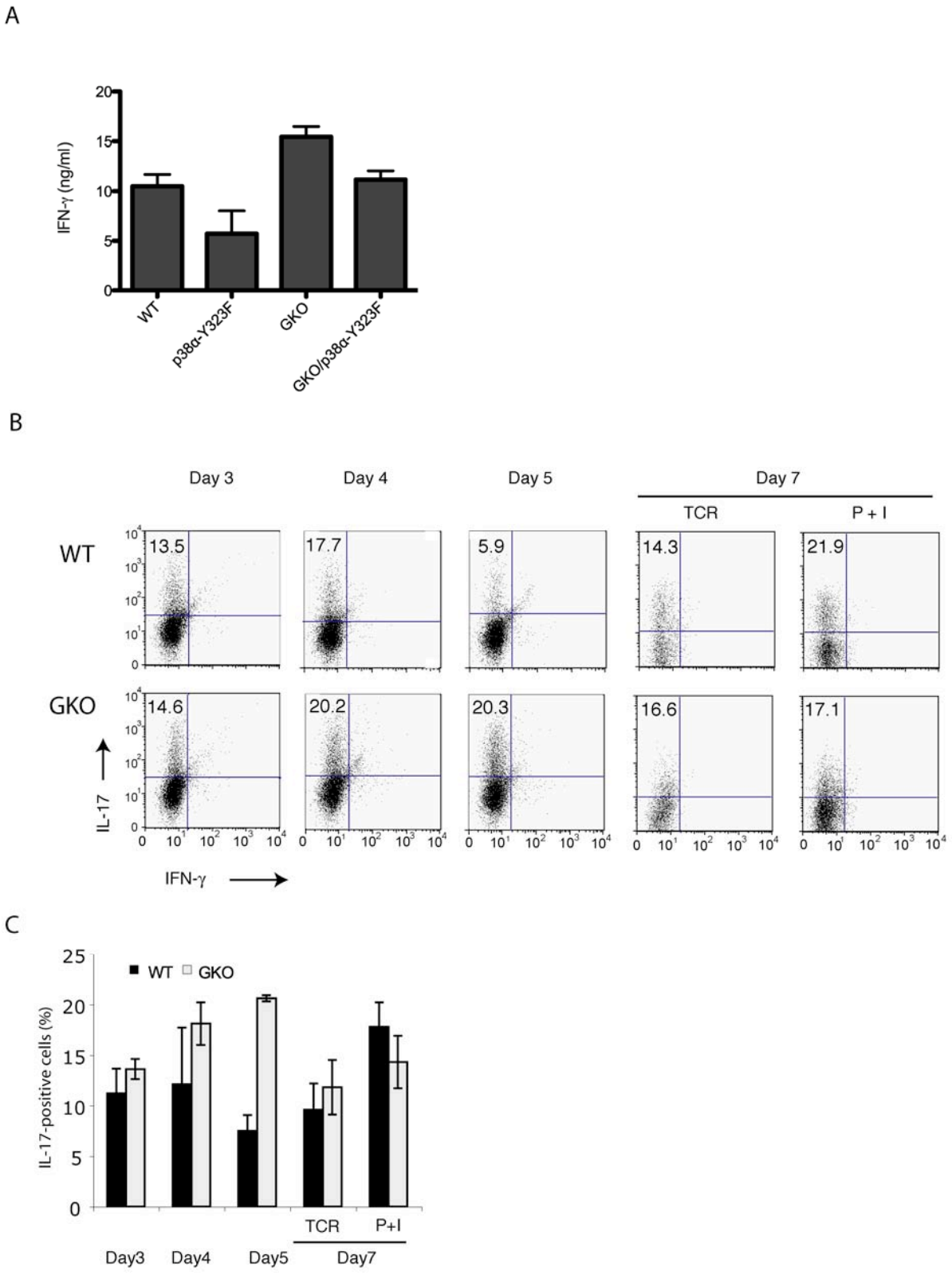

Figure S3. Gadd45α knockout effector T cells express more IFN-α and IL-17 than WT T cells.
(A) Purified lymph node T cells from wild type, p38α^{Y323F}, Gadd45αKO, and GKO/p38α^{Y323F} mice were stimulated with plate-bound α-CD3/α-CD28 for 48 hr and IFN-γ production was assessed by ELISA. The data represent the mean ± SEM. (B) WT and GKO T cells were cultured under Th17 skewing conditions and stained for intracellular IL-17 and IFN-γ on days 3, 4, and 5. A portion of the cells was differentiated into Th17 for 4 days, cultured with IL-2 for two days, rested overnight, and re-stimulated with α-CD3 or P+I for 6 hr. (C) Summary of two independent experiments. Bars