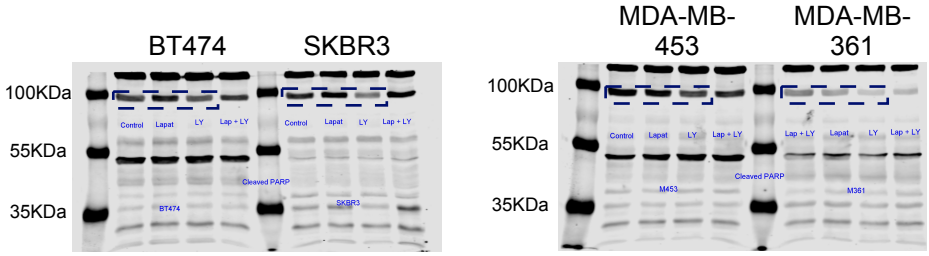
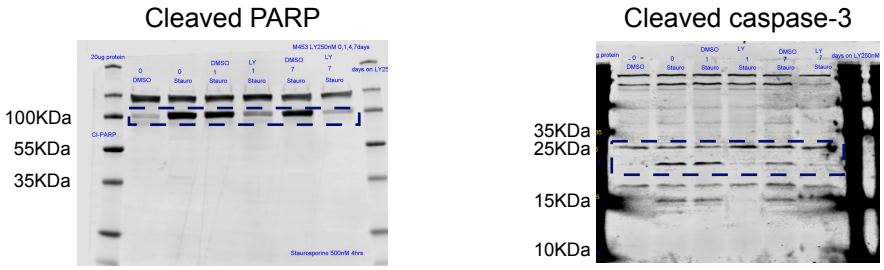
doi:10.1038/nature23465

Supplementary Figure 1

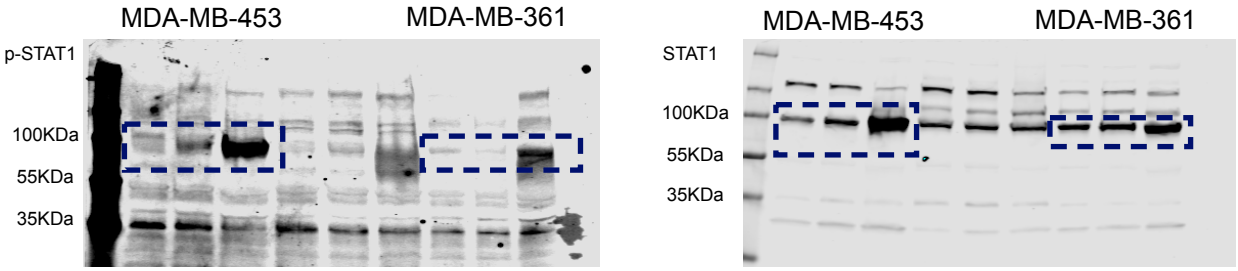
Extended Data Fig. 3c



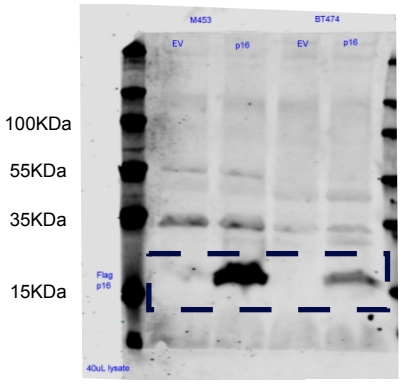
Extended Data Fig. 3d



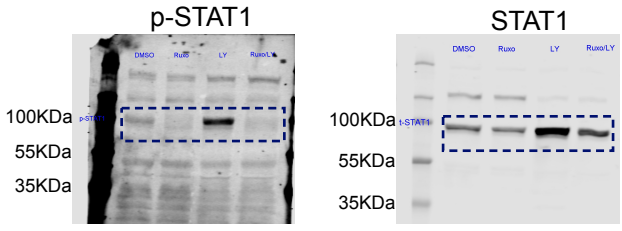
Extended Data Fig. 4g



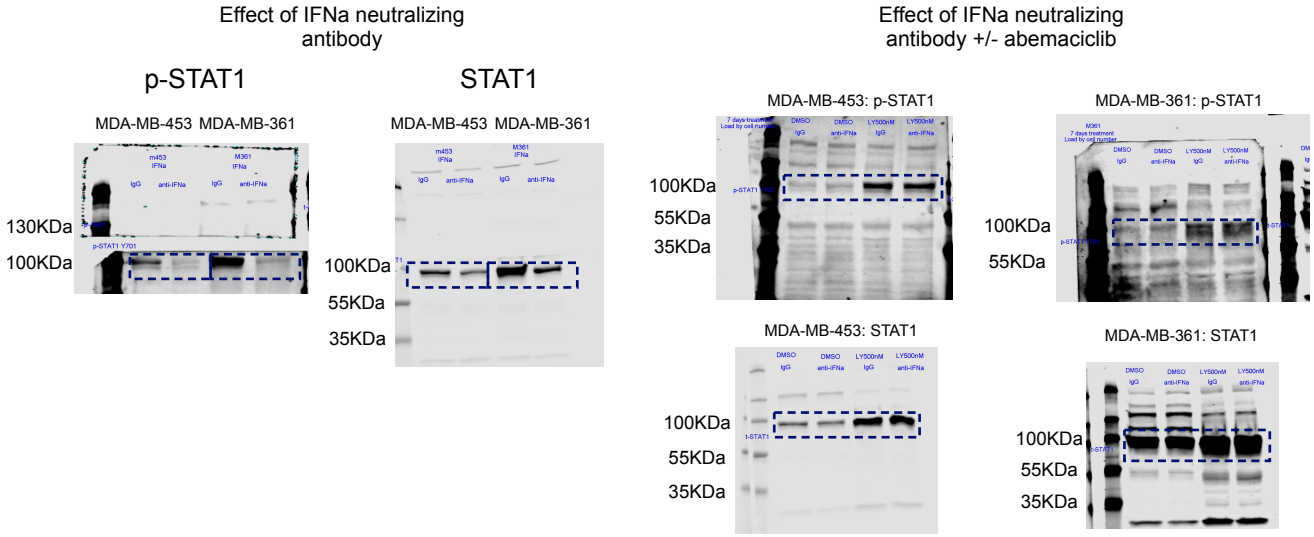
Extended Data Fig. 4h



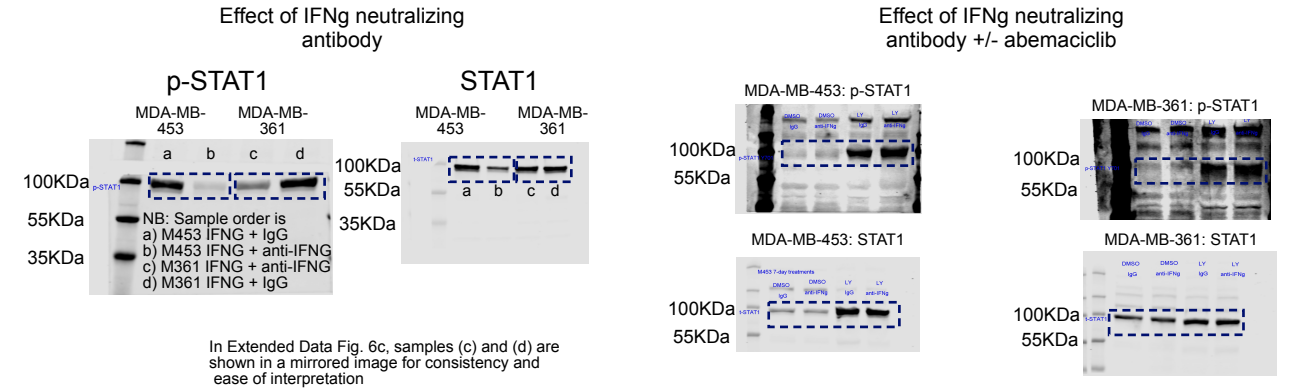
Extended Data Fig. 6a



Extended Data Fig. 6c

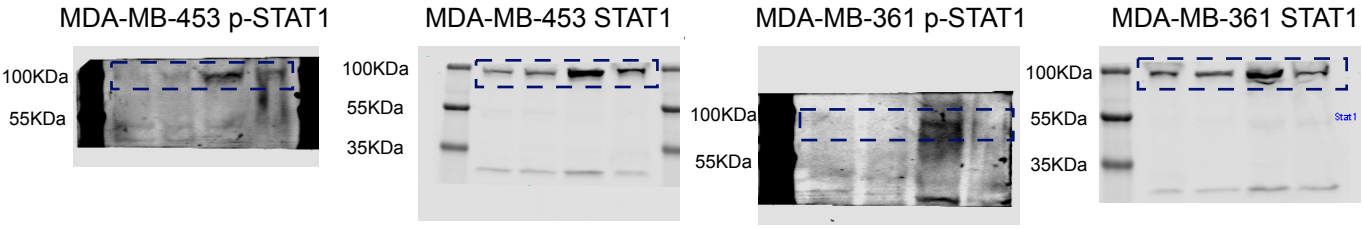


Extended Data Fig. 6d

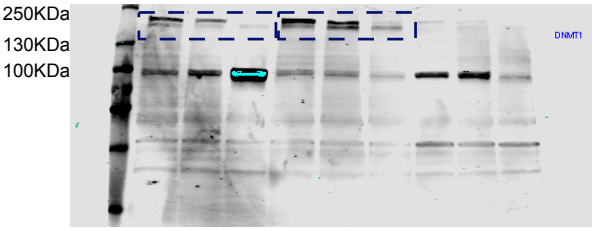


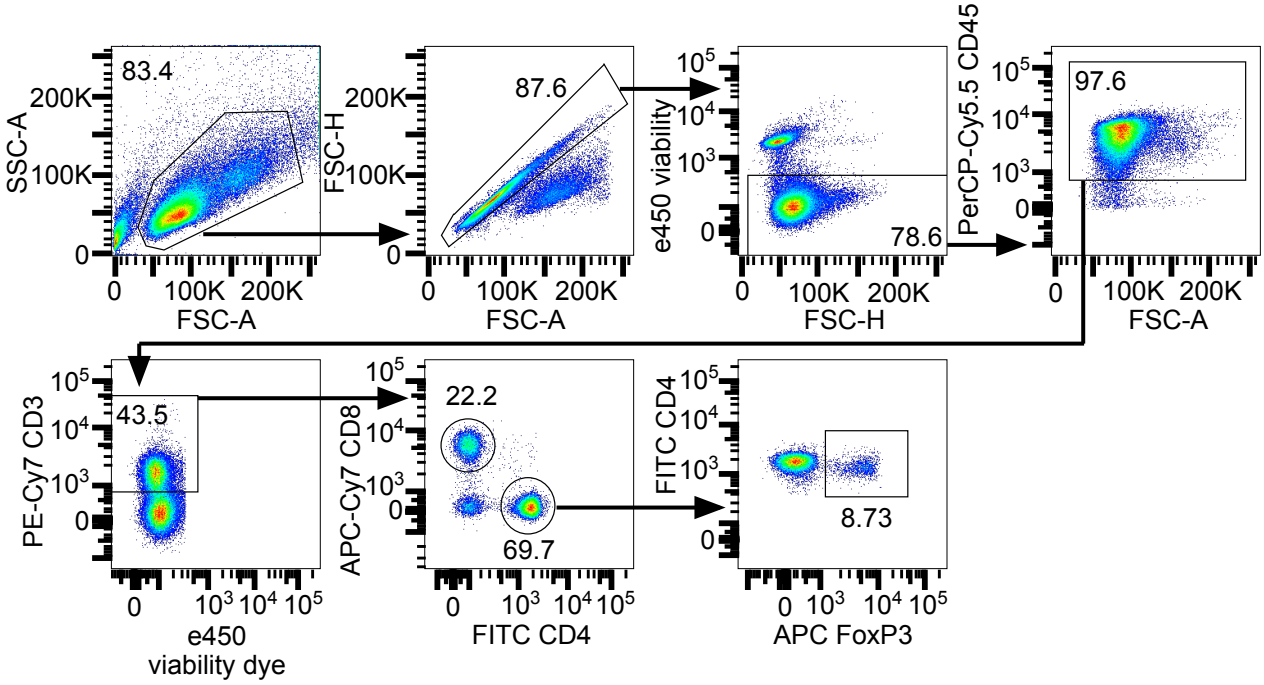
In Extended Data Fig. 6c, samples (c) and (d) are shown in a mirrored image for consistency and ease of interpretation

Fig. 3b

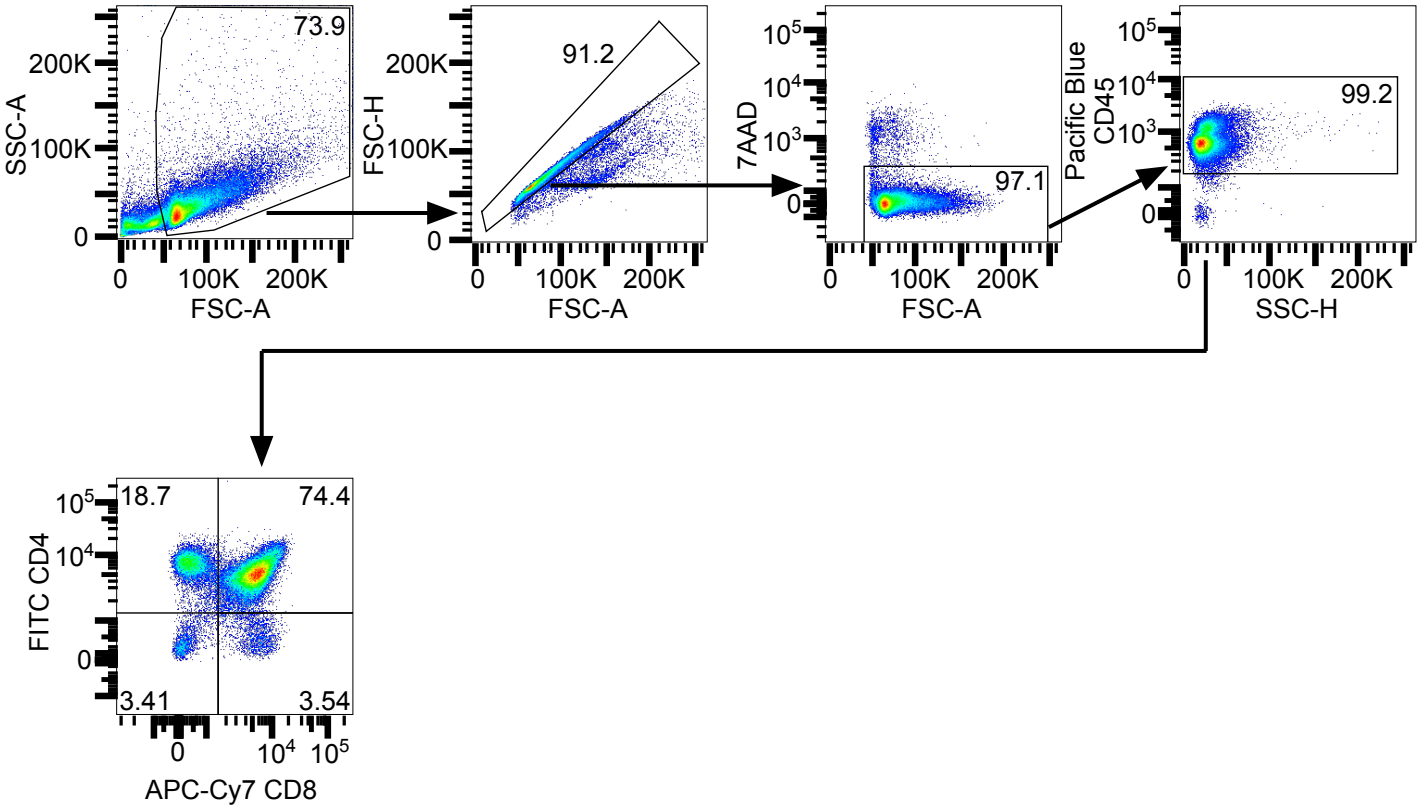


Extended Data Fig. 7b

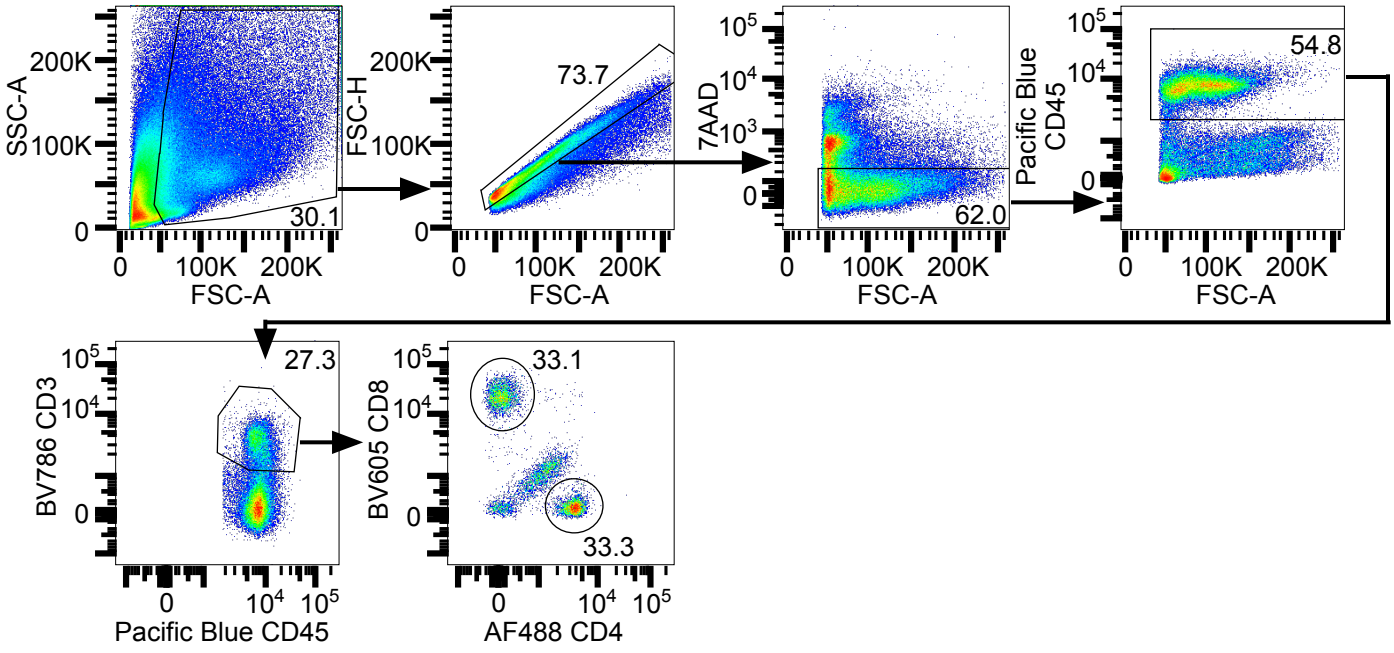




Supplementary Methods 1. Gating strategy for T cell populations
Flow cytometry gating strategy for T cell populations (CD4+, CD8+, and CD4+ regulatory T cells) in spleen, blood, lymph node, thymus, and tumors. Representative plots from splenocytes shown.



Supplementary Methods 2. Gating strategy for thymic cell populations
Flow cytometry gating strategy for thymocytes.



Supplementary Methods 3. Gating strategy for inhibitory receptors on intratumoral T cells
Flow cytometry gating strategy for intratumoral CD8+ and CD4+ T cells in order to examine expression of PD-1, Tim-3, CTLA-4, and LAG3 in MMTV-rtTA/tetO-HER2 tumors. Representative PD-1, Tim-3, CTLA-4, and LAG3 plots for each experimental condition are shown in Figure 4h and Extended Data Figure 10d-f.