Samples were analyzed by flow cytometer and data was analyzed using FlowJo software.

Figure 1. MAIT cells are decreased in the circulation of melanoma patients. (a) Example flow cytometric gating strategy to identify MAIT cell subsets in peripheral blood. Comparisons of MAIT cell subsets as a fraction of CD45+ cells (b), total T cells (c), parent T cell population (d), and of MAIT (e) in healthy donors (HD, n=11) and treatment naive (TN, n=33) melanoma patients. Double negative (DN), *p < 0.05.

Figure 2. The frequency of CD8+ but not CD4+ MAIT cells is positively associated with improved overall survival in melanoma patients. Kaplan-Meier curves comparing the survival of stage IV melanoma patients based on the median frequency of MAIT cells. Response to ICIs was characterized using RECIST 1.1 criteria with responders identified as complete response (CR) or partial response (PR), while non-responders were identified as stable disease (SD) or progressive disease (PD).