



**Figure S3. In a xenograft CCRF-CEM model, CAR T cells showed disease control and expansion**

To consolidate the activity of CD7 CAR T cells in the CCRF-CEM model, CAR T expansion and tumor load in different tissues were analyzed at different time points in mice infused with CD7 CAR T cell. (A) Flow cytometry analysis detecting CD45<sup>+</sup> CD3<sup>+</sup> T cells in mice treated with CD7 blockade CAR T cells. (B) Corresponding to the persistence of CAR T cells, absolute numbers of CCRF-CEM cells (CD45<sup>+</sup>CD7<sup>+</sup>) were assessed. (C) CAR T cells expansion analyzed by qPCR and peak CAR T expansion in mice occurred on day 6.