SUPPLEMENTARY FIGURE LEGENDS

Supplementary Figure 1. The macrophages and CD19 CAR-T cells derived from the PBMCs of the seven patients with diffuse large B cell lymphoma (A, Donor 1 - 4) or B-cell acute lymphoblastic leukemia (B, Donor 5 - 7) were used in the coculture. The levels of AIM2 in the macrophages and cleaved IL-1β in the supernatant were determined by Western blot.

Supplementary Figure 2. The levels of cleaved IL-1β in supernatants and the inflammasomes in the CAR-T cells and Raji cells cultured alone were detected by Western blot. * M-THP-1 cells cocultured with both CAR-T and Raji cells.

Supplementary Figure 3. The expression of Her2, BCMA and CD19 in Raji cells was analyzed by flow cytometry (A). The expression of Her2, BCMA and CD19 CAR in the infected T cells was evaluated by APC-Protein L staining and flow cytometry (B). BCMA CAR-T, Her2 CAR-T and CD19 CAR-T cells were cocultured with both Raji cells and the macrophages derived from THP-1 cells. The expression of AIM2 in the macrophages and the level of cleaved IL-1β in the cultural supernatants were analyzed by Western blot (C).

Supplementary Figure 4. Flow cytometry and proliferation assay (CCK8) were employed to evaluate the effects of thalidomide (1 μM or 10 μM for 24 h) treatment on the apoptosis (A) and cell viability (B) of CAR-T cells, Raji cells or M-THP-1 cells.

Supplementary Figure 5. The concentration of IL-1β in supernatants of the coculture of CAR-T/Raji/M-THP-1 in presence of prazosin or thalidomide was examined by ELISA (** P<0.01, *** P<0.001).

Supplementary Figure 6. CAR-T cells, Raji cells and macrophages derived from PBMCs are cocultured for 24 h, and then the Raji/Luc cells were added into the

coculture system for 48 h. The luciferase activity was measured to exhibit the cytotoxicity of CAR-T cells (** P<0.01, *** P<0.001).