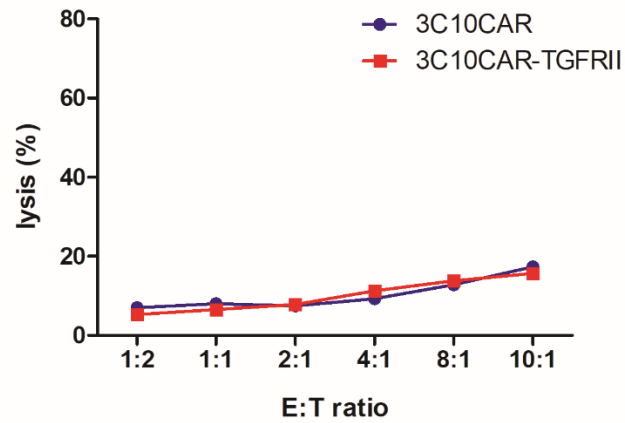
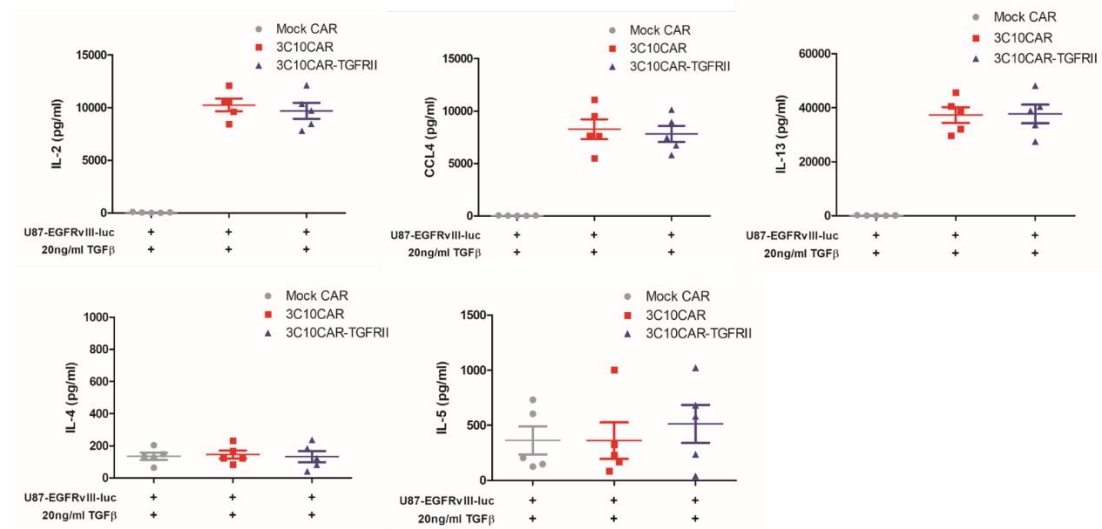


Supplemental Fig.1. Construction of EGFRvIII-overexpressed glioma cell line. Human glioma cell line U87 were transduced with EGFRvIII and luciferase encoding lentivirus. Histogram showing EGFRvIII overexpression in U87-EGFRvIII-luc cells.

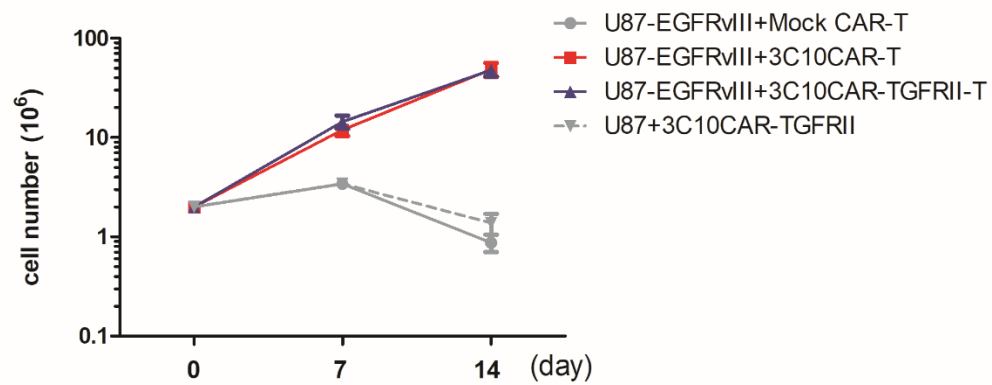
Targeting non-EGFRvIII U87 cells



Supplemental Fig.2. Cytolytic activity of 3C10CAR-Ts or 3C10CAR-TGFR II-Ts targeting non-EGFRvIII U87 cells. Both 3C10CAR-Ts and 3C10CAR-TGFR II-Ts showed minimum cytolytic activity when coculturing with non-EGFRvIII U87 cells.



Supplemental Fig.3. Cytokine release pattern of CAR-T cells targeting U87-EGFRvIII-luc cells and TGFβ.



Supplemental Fig.4. CAR-T cells proliferation when cocultured with target cells.