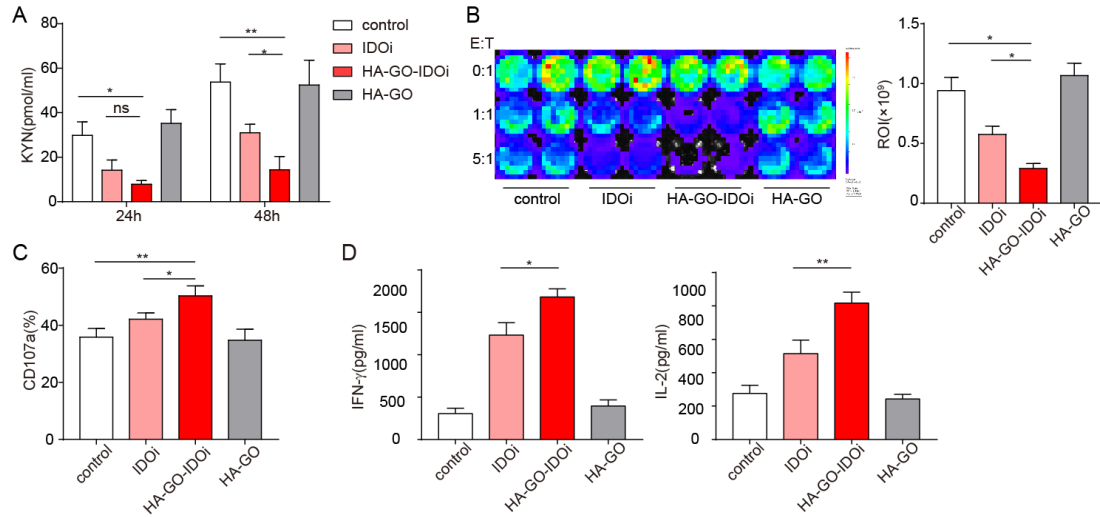
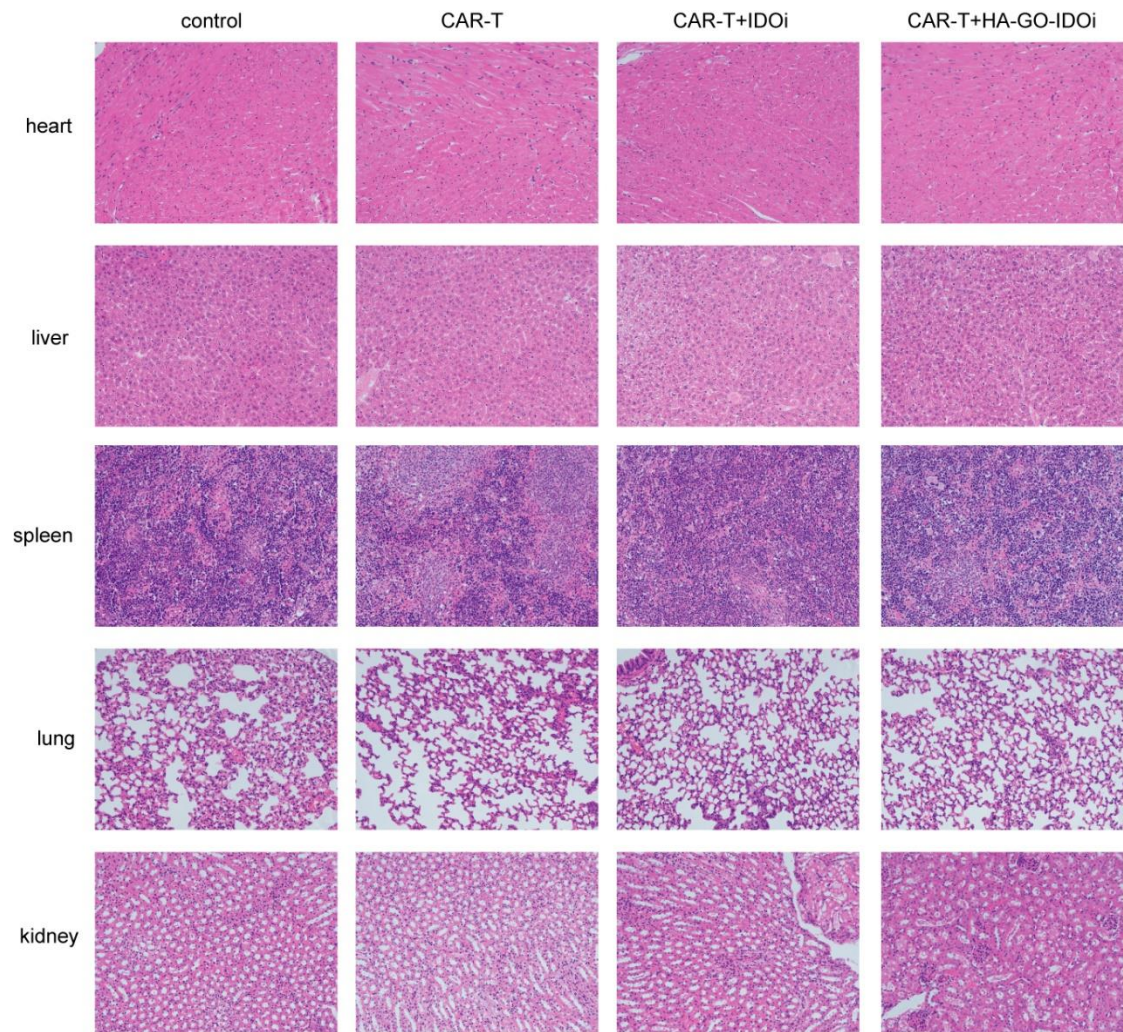


Supplementary Figure 1 IDO1 mRNA levels, measured using qPCR. ESCC cell lines were cultured in the absence or presence of 50 U/mL exogenous IFN- γ for 24 h.



Supplementary Figure 2. (A) KYN production of EC109 cells cultured with or without IDO1 inhibitor. (B) After 24h treated with or without IDO1 inhibitor, Luc-EC109 cells were cocultured with CAR-T cells at different ratios, Luminescence was used to determine percentage tumor cell death. (C) CD107a expression by CAR-T cells cocultured with IDO1 inhibitor-treated EC109 cells. (D) IFN- γ and IL-2 secretion of CAR-T cells cocultured with IDO1 inhibitor-treated EC109 cells., detected via ELISA. * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$ (repeated-measures one-way ANOVA or Student's t -test)



Supplementary Figure 3. H&E-stained images of slices of the major organs, collected from treated mice 7 d post-injection.