Figure S2 Tumor Ag-specific CD8$^+$ T cells were induced in Akt1/N-Ras/Ag-induced HCC-bearing mice, however underwent T-cell exhaustion in tumor microenvironment. (A) Gating for flow cytometric analysis of OVA$_{257-264}$-specific CD8$^+$ T cells among tumor-associated CD8$^+$ T cells of mice receiving HDI of pKT2/CLP-AKT-LUC or pKT2/CLP-AKT-Ags-LUC, respectively together with
pT/Caggs-NRASV12 and pCMV(CAT)T7-SB100. (B) The Percentage (left panel) and the absolute cell number (right panel) of OVA_{257-264}-specific CD8^+ T cells in tumors expressing Ags (Ag+) or not expressing Ags (Ag-). (n=5-14 mice per group). (C) Mean fluorescence intensity (MFI) of expression levels of PD-1, LAG-3, 2B4, and TIGIT on intra-tumoral OVA_{257-264}-specific CD8^+ T cells, intra-tumoral total CD8^+ T cells and splenic total CD8^+ T cells. (n=7 mice). Representative histograms for expression levels of (D) PD-1, (E) LAG-3, (F) 2B4, and (G) TIGIT on indicated cell populations. The average percentage of positive cells for each immune checkpoint staining was indicated in the upper right corner of the plot. *P < 0.05, **P < 0.01 and ***P < 0.001 (unpaired Student’s t-test)