

## Supplemental figure legends

### **Figure S1 PD-L1 inhibits tumor cell growth and activation of AKT and ERK1/2**

(A) qRT-PCR expression analysis of *PDCD1LG1* mRNA levels in SW480 cells. (B-F) *PDCD1LG1* was silenced by siRNA in SW480 cells. The knockdown function of *PDCD1LG1* siRNA was verified by testing mRNA (B) and protein levels of PD-1 (C). CCK8 was used to detect the cell viability (D). Cell proliferation was determined by CFSE assay, quantification data was shown as MFI (n=3) (E). Western blot was used to analyze the expression of indicated proteins including p-AKT and p-ERK in cells transfected with the si*PDCD1LG1* (F). Data with error bars are represented as mean  $\pm$  SD. Each panel is a representative experiment of at least three independent biological replicates. \*p < 0.05, \*\*p < 0.01 and \*\*\*p < 0.001 as determined by unpaired Student's t test.

**Supplemental Figure 1** PD-L1 inhibits tumor cell growth and activation of AKT and ERK1/2

