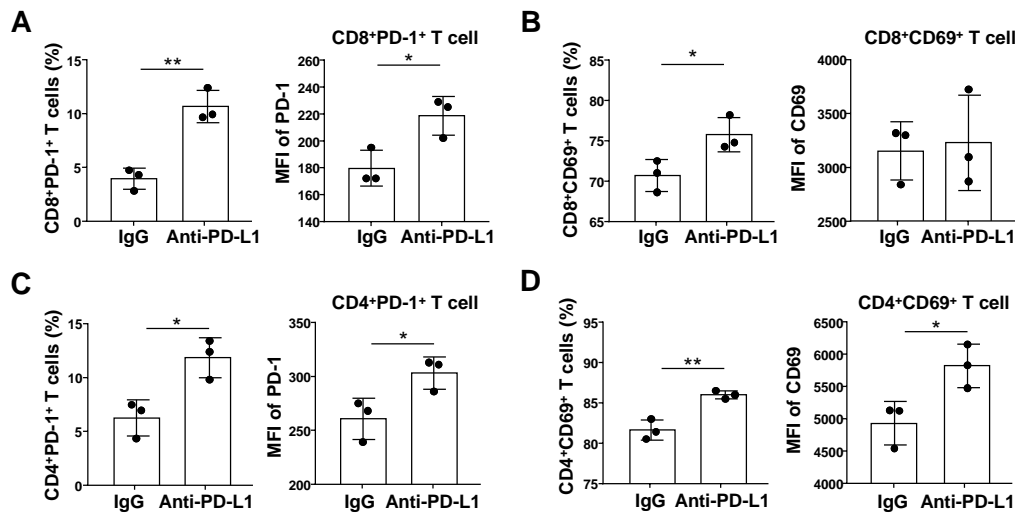
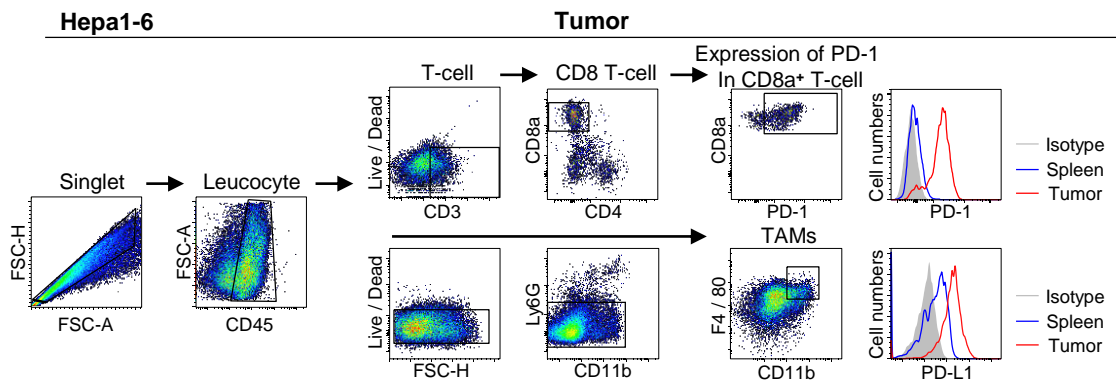


Supplementary Figure 1



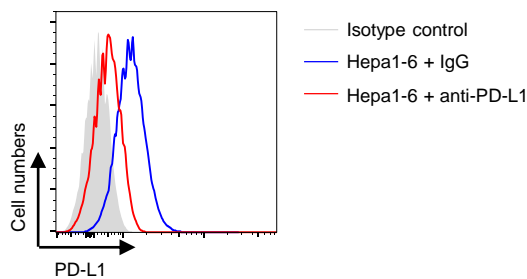
Supplementary Figure 1. PD-1, CD69 expression on PMA/Ionomycin-activated CD8⁺ and CD4⁺ T cells increased significantly after PD-L1 blocking in M2 macrophages
A. CD8⁺ PD1⁺ T cells frequency and MFI
B. CD8⁺ CD69⁺ T cells frequency and MFI
C. CD4⁺ PD1⁺ T cells frequency and MFI
D. CD4⁺ CD69⁺ T cells frequency and MFI

Supplementary Figure 2



Supplementary Figure 2. Flow cytometry gating strategy in a hepa1-6 syngeneic mouse model.

Supplementary Figure 3



Supplementary Figure 3. PD-L1 expression in Hepa1-6 cells.

Supplementary Table 1
Antibodies and protein used in this study

Antibodies	Clone	Company	Dilution	Target host	Application
Anti-CD3		Abcam	1:100	Human	IHC
Anti-CD68	KP1	Abcam	1:1000	Human	IHC
Anti-PD-L1	22C3	Dako	2µg/ml	Human	IHC
Anti-PD-L1 antibody	29E.2A3	BioXcell	20µg/ml	Human	Blocking
Anti-PD-L1 antibody	10F.9G2	BioXcell	100µg/ml	Mouse	Blocking
Normal mouse IgG		Santacruz	100µg/ml	Human	Blocking control
Normal rat IgG2b		Santacruz	100µg/ml	Mouse	Blocking control
Live/Dead Fixable aqua Dead Cell Stain Kit		Invitrogen	1µl/10 ⁶ cells	Human, Mouse	Flow cytometry
PerCP-Cy5.5-conjugated anti-CD3	UCHT1	BD	1µl/10 ⁶ cells	Human	Flow cytometry
V450-conjugated anti-CD8	RPA-T8	BD	1µl/10 ⁶ cells	Human	Flow cytometry
APC-H7-conjugated anti-CD4	SK3	BD	1µl/10 ⁶ cells	Human	Flow cytometry
PE-Cy7-conjugated anti-Ki-67	B56	BD	1µl/10 ⁶ cells	Human	Flow cytometry
APC-conjugated anti-CD69	FN50	BD	1µl/10 ⁶ cells	Human	Flow cytometry
PE-conjugated anti-PD-1	NAT105	Biolegend	1µl/10 ⁶ cells	Human	Flow cytometry
PE-Cy7-conjugated anti-Ly6G	1A8	BD	1µl/10 ⁶ cells	Mouse	Flow cytometry
APC-conjugated anti-PD-L1	MIH1	BD	1µl/10 ⁶ cells	Human	Flow cytometry
V500-conjugated anti-CD45	30-F11	BD	1µl/10 ⁶ cells	Mouse	Flow cytometry
APC-conjugated anti-CD69	H1.2F3	BD	1µl/10 ⁶ cells	Human	Flow cytometry
V450-conjugated anti-CD11b	M1/70	BD	1µl/10 ⁶ cells	Mouse	Flow cytometry
BV421-conjugated anti-CD3	17A2	BD	1µl/10 ⁶ cells	Mouse	Flow cytometry
APC-Cy7-conjugated anti-F4/80	BM8	Biolegend	1µl/10 ⁶ cells	Mouse	Flow cytometry
V500-conjugated anti-CD3	UCHT1	BD	1µl/10 ⁶ cells	Human	Flow cytometry
PerCP-Cy5.5-conjugated anti-CD8a	53.6.7	ebioscience	1µl/10 ⁶ cells	Mouse	Flow cytometry
PE-conjugated anti-IFN-γ	B27	BD	1µl/10 ⁶ cells	Human	Flow cytometry
PE-Cy7-conjugated anti-TNFα	MAb11	BD	1µl/10 ⁶ cells	Human	Flow cytometry
Recombinant human IL-4		R&D systems	1µg/ml	Human	M2-polarization
Recombinant human M-CSF		R&D systems	1µg/ml	Human	M2-polarization