

Supplemental Table 1

Antibody	Cat#	Source
Ac-H3K27	8173	Cell Signaling Technology
Histone H3	4499	Cell Signaling Technology
β 2m	ab75853	Abcam
β -actin	5125	Cell Signaling Technology
p-STAT3	9145	Cell Signaling Technology
STAT3	4904	Cell Signaling Technology
Ac-STAT3	2523	Cell Signaling Technology
Cleaved caspase-3	9661	Cell Signaling Technology
H-2Kb	116511	Biologend
PD-L1	17952-1-AP	Proteintech

Supplemental Table 2

Target	Clone	Source
CD4	RM4-4	BD Biosciences
CD8	RPA-T8	BD Biosciences
CD11b	M1/70	BD Biosciences
CD11c	HL3	BD Biosciences
CD44	IM7	BD Biosciences
CD45	30-F11	BD Biosciences
CD62L	MEL-14	BioLegend
FoxP3	MF-14	BioLegend
Ly6c	HK1.4	BioLegend
Ly6g	1A8-Ly6g	ThermoFisher
CD3	17A2	BioLegend
CD19	6D5	BioLegend

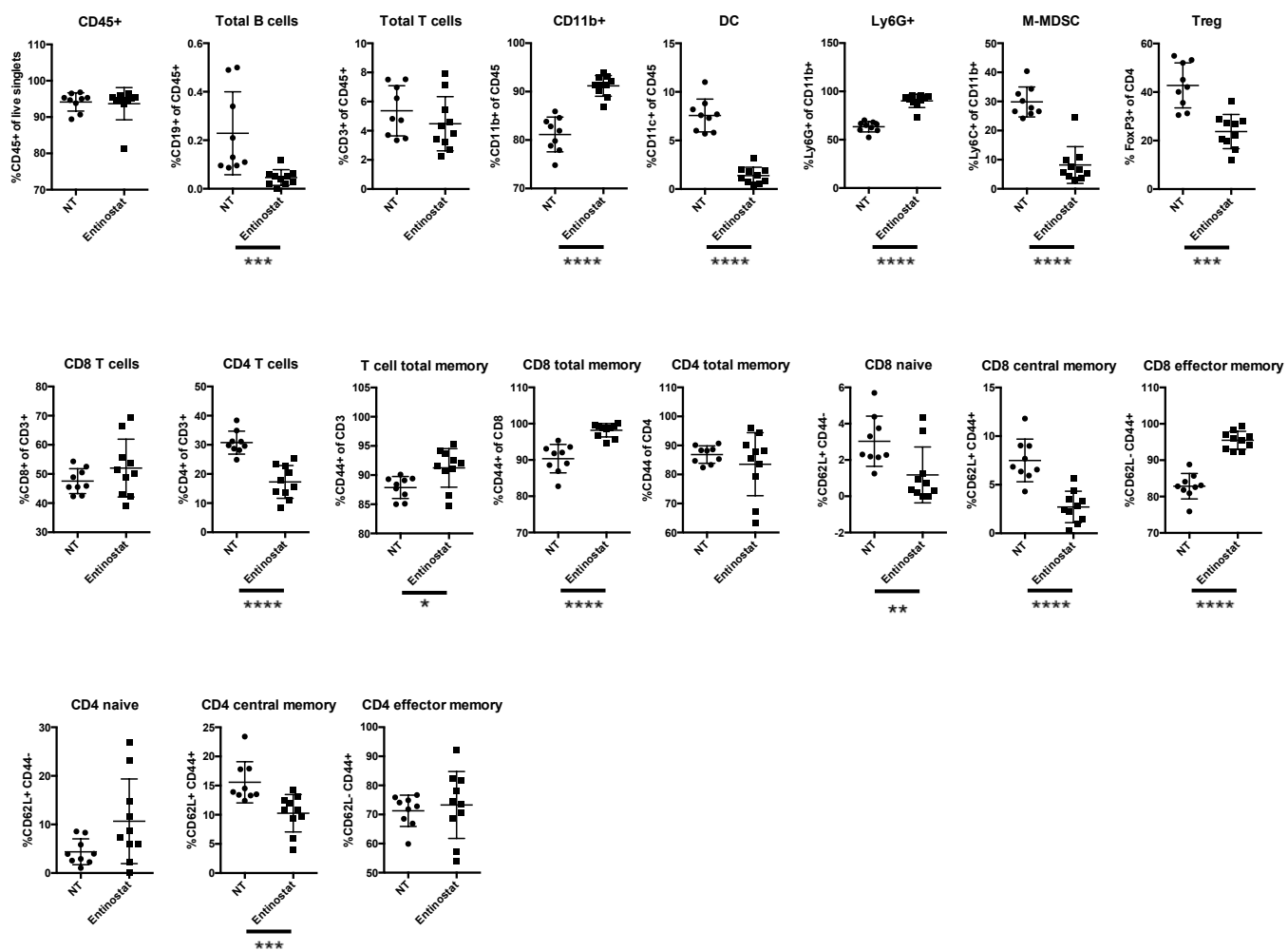
Supplemental Table 3

Genes	Forward primers	Reverse primers
Car12	5'-ATA GAC CTA CAT AGC GAC AC-3'	5'-CTG CTC TGT AGT GGT GAG GC-3'
Grin1	5'-CAC TGT TCA AGA GGG C-3'	5'- GCC ATC ACT CAT TGT GGG C -3'
Has2	5'-CTT ATT CCA GTG TCC GC-3'	5'- CCA TGT CAT ACT GTT GTC CCT TCT TC -3'
Cyp3a13	5'-GGA GAT TGT GGC TCA GTC AGT TAT C-3'	5'-GGC AGA GCC GCA TCA ATT TC-3'
Ggt6	5'-GTG GTA CAT CCT CAT GCA ATA GGC-3'	5'-CAA ATG CAG AGC AGG CAG AC-3'
Slc5a1	5'-GTC AGA AAT ACT GCG GCA CAC C-3'	5'-CCG GAT CTT GGT GTA GAT GTC C-3'

Supplemental Table 4

Genes	Peptides
Car12	IATPFSMML
Grin1	TGPLFKRALM
Has2	VSAWFTILL
Ova	SIINFEKL

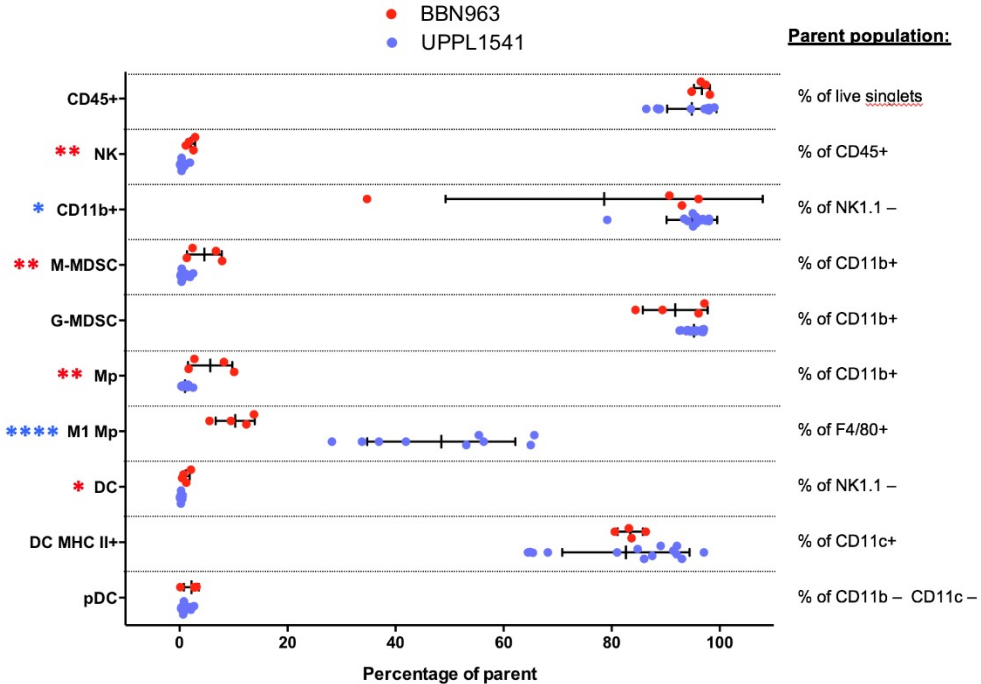
Supplemental Figure 1



Supplemental Figure 2

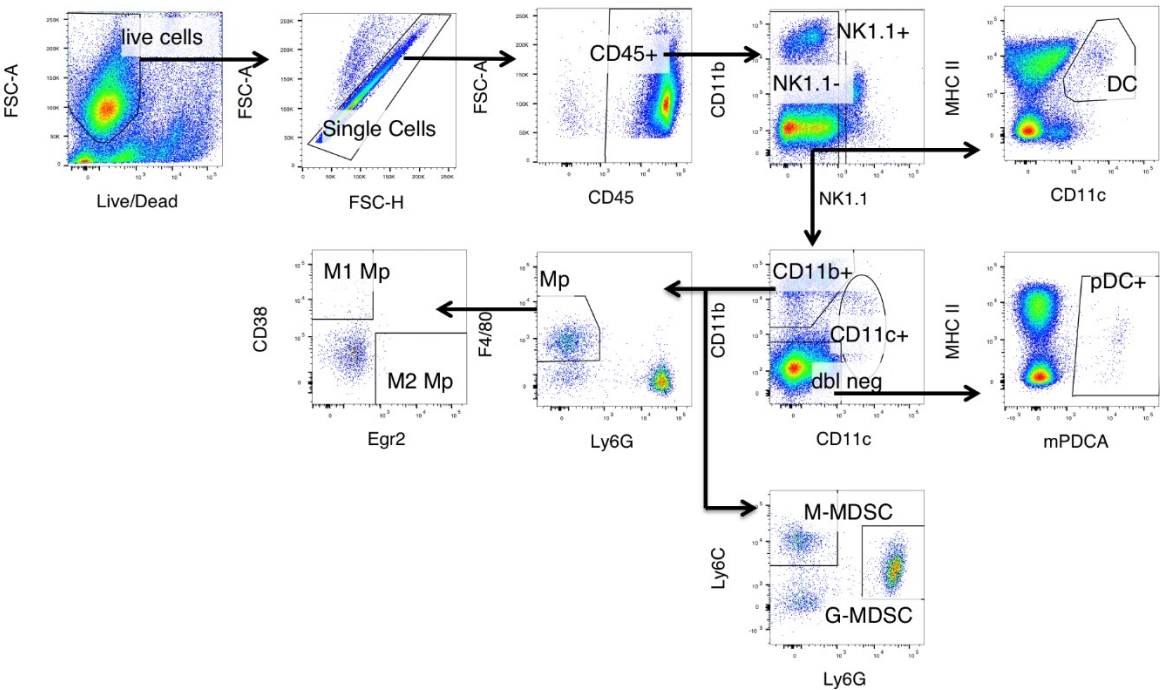
A

Myeloid populations in BBN963 and UPPL1541

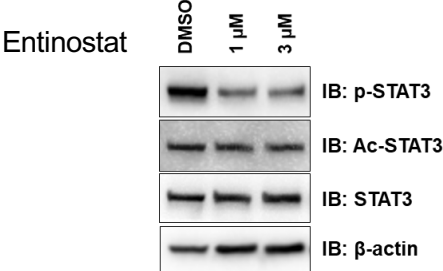


B

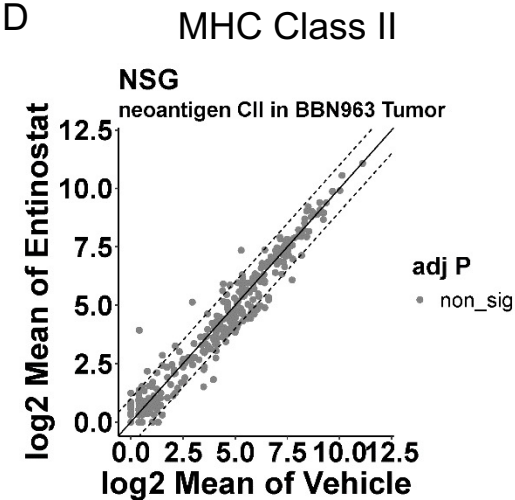
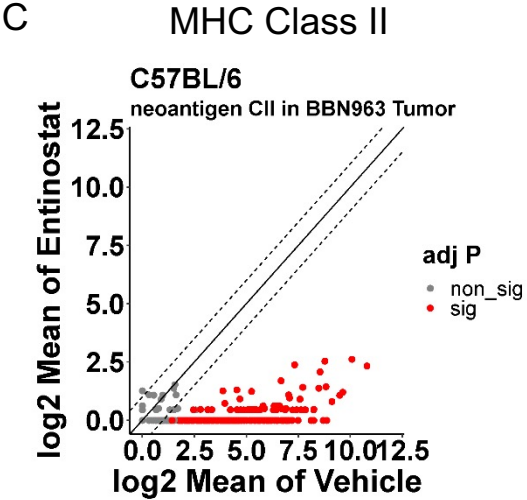
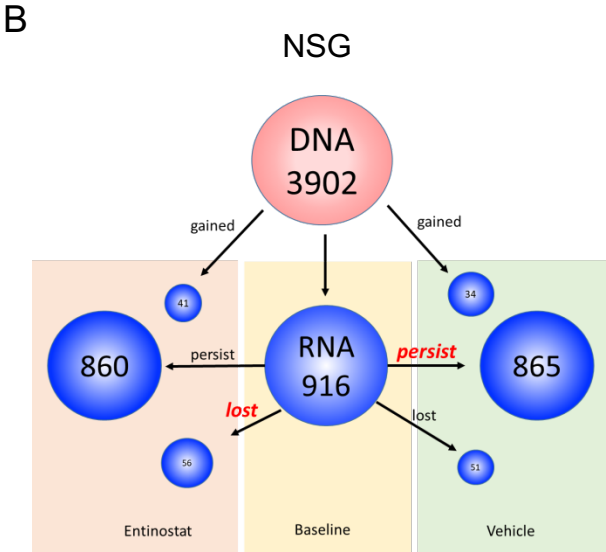
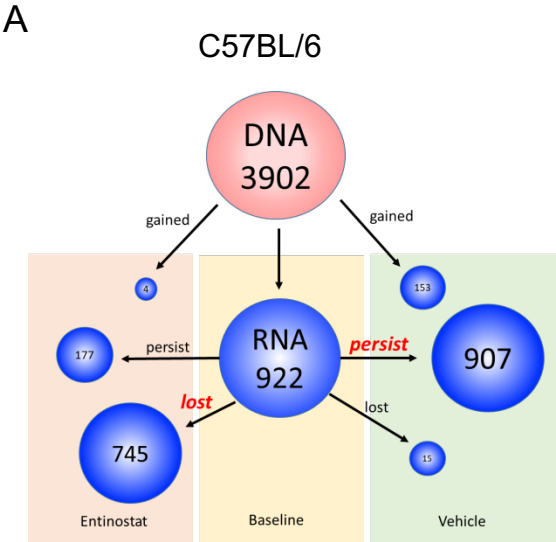
Myeloid panel gating scheme



Supplemental Figure 3

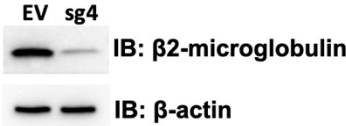


Supplemental Figure 4

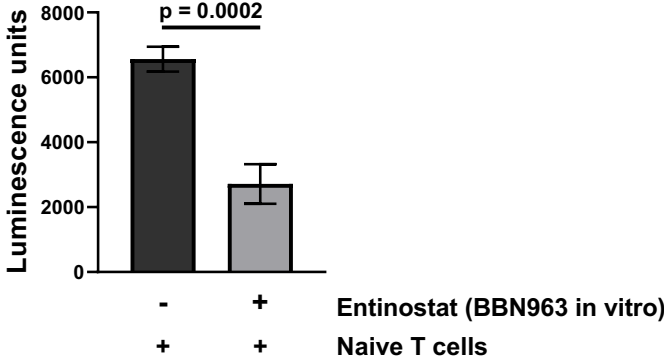


Supplemental Figure 5

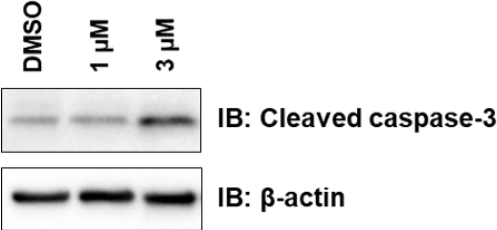
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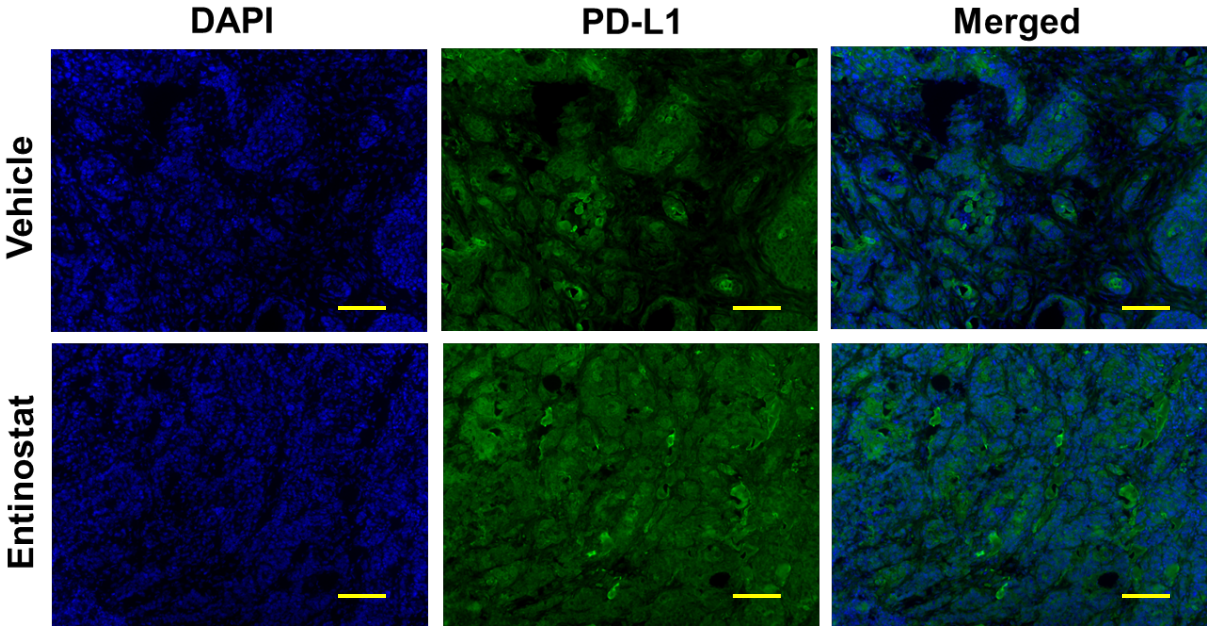
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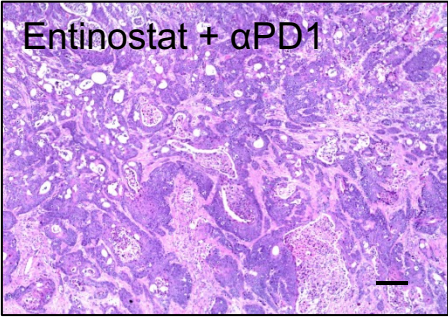
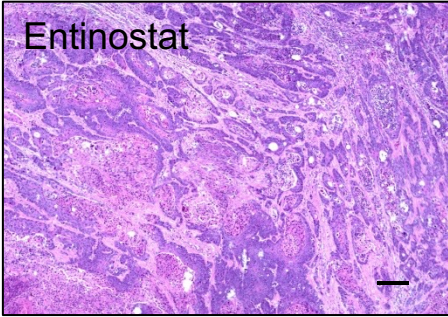
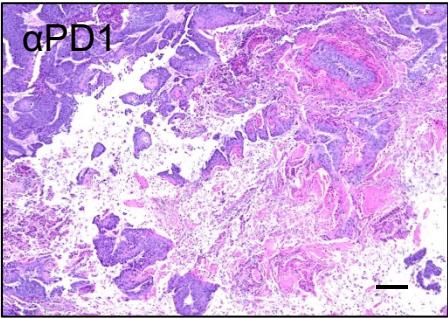
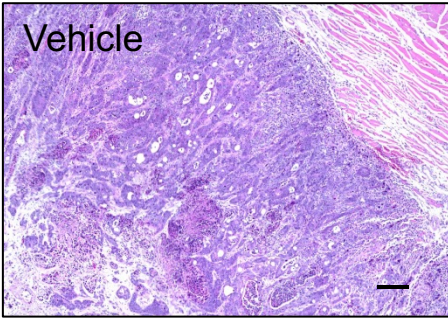
C



Supplemental Figure 6



Supplemental Figure 7



Supplemental Figure 8

A UPPL1541

