

**Supplemental Table 1.** Antibodies used for flow cytometry analysis:

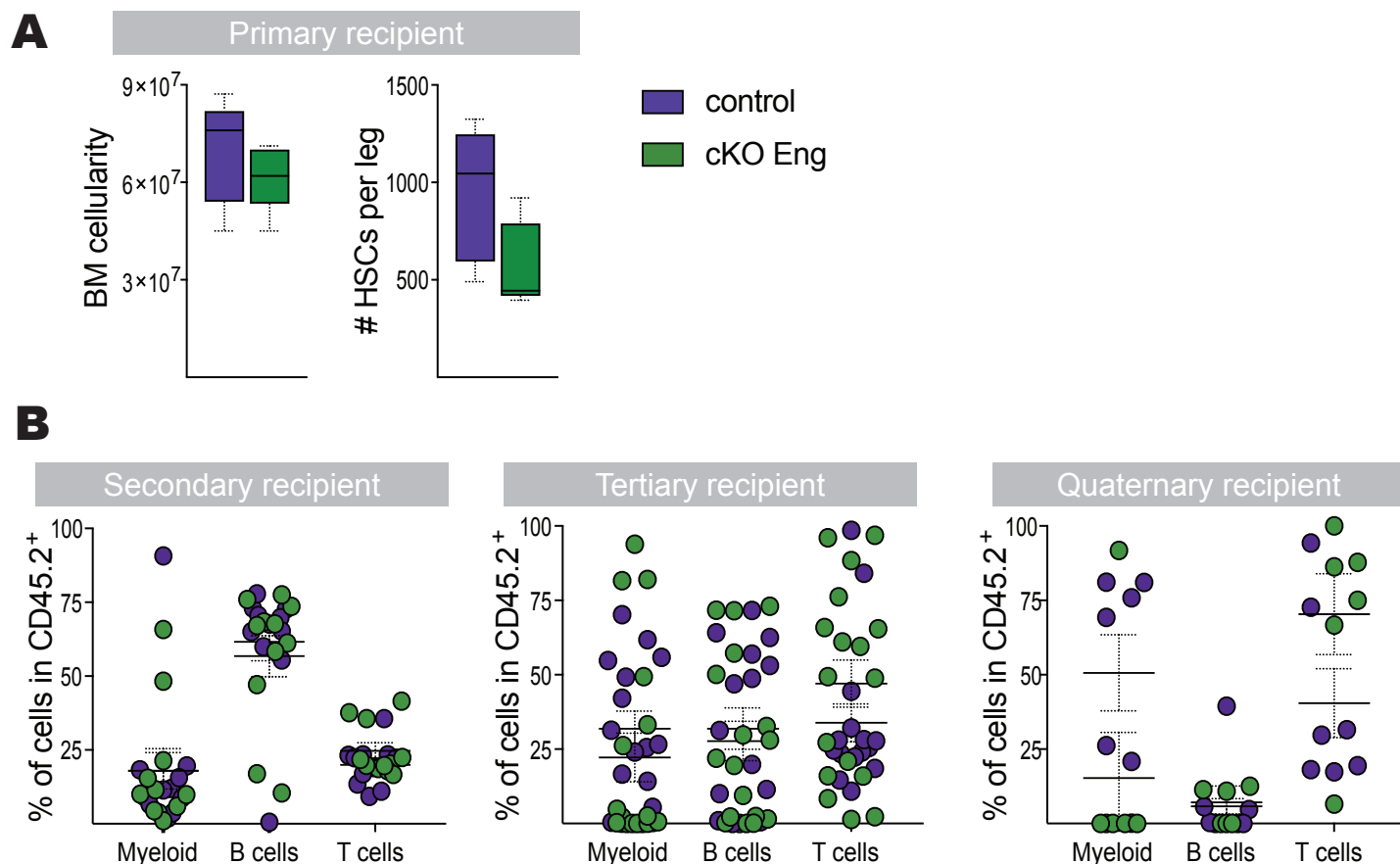
<b>Antibody</b>	<b>Fluorochrome</b>	<b>Clone</b>	<b>Provider</b>
Streptavidin	PE		BioLegend
Streptavidin	FITC		eBioscience
Sca-1	PerCP-Cyanine5.5	D7	eBioscience
c-Kit	APC-eFluor 780	2B8	eBioscience
CD48	PE	HM48-1	eBioscience
CD48	FITC	HM48-1	eBioscience
CD41	PE	eBioMWReg30	eBioscience
CD41	FITC	eBioMWReg30	eBioscience
CD150	PE-Cyanine7	TC15-12F12.2	BioLegend
CD150	APC	TC15-12F12.2	BioLegend
CD45.1	PE-Cyanine7	A20	eBioscience
CD45.2	FITC	104	eBioscience
CD45.2	PE	104	eBioscience
CD105	PE-Cyanine7	MJ7/18	BioLegend
Mac-1	PE	M1/70	eBioscience
Gr-1	FITC	RB6-8C5	eBioscience
CD3e	PerCP-eFluor710	17A2	eBioscience
CD19	APC-eFluor 780	eBio1D3	eBioscience
CD19	PE-Cyanine7	eBio1D3	eBioscience
Ki67	FITC	SolA15	eBioscience
Lineage markers (#130-090-858)	Biotin		Miltenyi

**Supplemental Table 2.** Antibodies used for CyTOF analysis:

Antibodies were either purchased from the indicated vendor or prepared in-house using commercially available MaxPAR conjugation kits per manufacturer's instructions (Fluidigm).

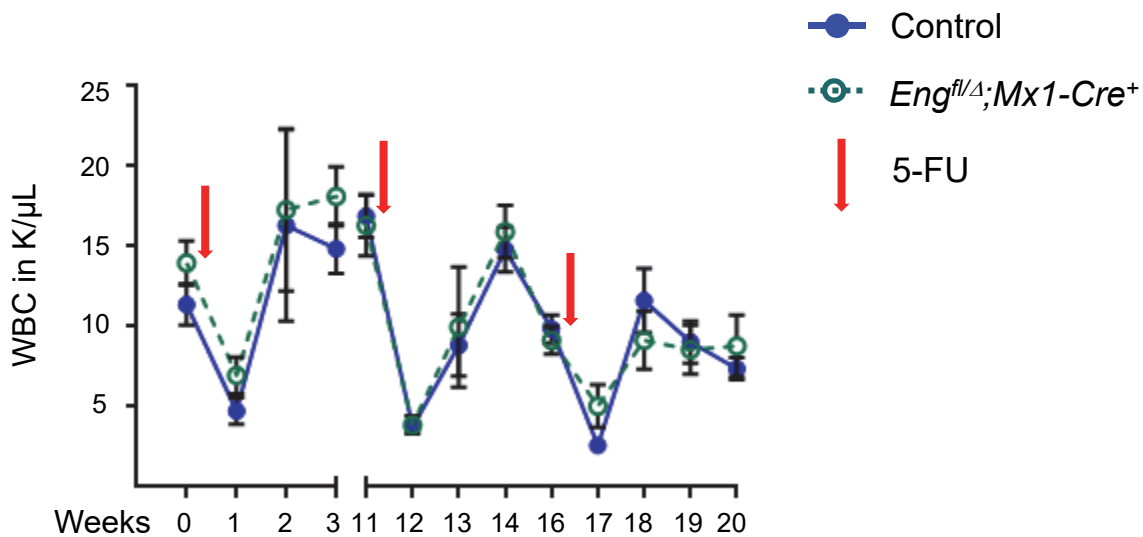
<b>Antigen</b>	<b>Panel</b>	<b>Symb</b>	<b>Mass</b>	<b>final conc. (<math>\mu\text{g/mL}</math>)</b>	<b>clone</b>	<b>Provider</b>
CD45.1	S	In	113	3		
CD45.2	S	In	115	4	104	BioLegend
Ly6G	S	La	139	2	1A8	BioLegend
cPARP	I	Pr	141	1	F21-852	BD
CD41	S	Nd	143	2	MWReg30	Fluidigm
CD16/32	S	Nd	144	2	93	Fluidigm
CD34	S	Sm	147	2	RAM34	BD
Mac-1 (CD11b)	S	Nd	148	2	M1/70	BioLegend
pMAPKAPK-2 (pT334)	I	Eu	153	3	27B7	Cell Signaling
CD48	S	Sm	154	2	HM48-1	Fluidigm
B220	S	Tb	159	2	RA3-6B2	BD
pSMAD2/3	I	Dy	162	2	D27F4	Cell Signaling
Sca-1	S	Dy	164	2	D7	Fluidigm
c-Kit	S	Er	166	2	2B8	Fluidigm
CD150	S	Er	167	2	TC15- 12F12.2	Fluidigm
CD105	S	Er	168	3	MJ7/18	BioLegend
TCRb	S	Tm	169	2	H57-597	Fluidigm
Nk1.1	S	Er	170	2	PK136	Fluidigm
CD135 (Flt-3)- biotin	S	-	-	5	A2F10	BioLegend
biotin	I	Yb	171	0.25	1D4-C5	BioLegend
CD127 (IL7-RA)	S	Lu	175	2	A7R34	Fluidigm

# Supplemental Figure 1

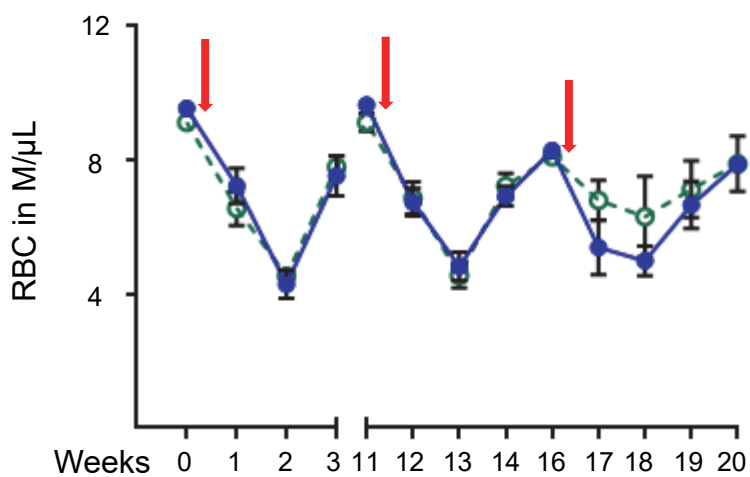


## Supplemental Figure 2

**A**



**B**



**C**

