

S-Table 1: Primers list for mice

	Primers for cko-Sdneo cassette (targeted allele)	
	Forward	Reverse
1	5'-TGTGCAAGAACTTTGGGGTCTAA-3'	5'-AAGACACCTCTCTCACTACACAAAA-3'
	Primers for bj1-RL-5'arm PCR	
2	5'-CTTGTGCCTCCATTACTTTTGCTG-3'	5'-AAGGTAACCTCACTGGGTAAAGTCA-3'
	Primers for targeted allele	
3	5'-AGTGTAGTGTATGTGTTTGCTTGC-3'	5'-ACCCTAAAGATGCTACTGAGGTTG-3'
	Primers for Cre transgene	
	5'-CATATTGGCAGAACGAACGAAACGC-3'	5'-CCTGTTTCACTATCCAGGTTACGG-3'
	Primers for RT-PCR	
	5'-TTGCTCCAGAAACTCATCGT-3'	5'-CAGGGAGCCAGGAACACTTC-3'

S-Table 2: Antibody Clones and Dilutions

All targets are mouse proteins except where indicated

Flow cytometry staining					
Target	Clone	Species	Fluorochrome/conjugate	Dilution	Source
MHCII	AF6-120.1	Mouse IgG2a	FITC	1:800	Biolegend
CD172a	P84	Rat IgG1	APCcy7 PE	1:4000 1:300	Biolegend
IL-13Ra1	1G3 13MOKA	Mouse IgG1 Rat IgG2a	Biotin PE	1:200 1:200	HycutBiotech Thermofisher
CX3CR1	SA011F1 1	Mouse IgG2a	APC PECy7	1:20000 1:20000	Biolegend
CD301b	URA-1	Rat IgG2a	APC	1:100	Biolegend
CD86	GL-1	Rat IgG2a	APC	1:400	Biolegend
CXCR5	2G8	Rat IgG2a	APC PE	1:300 1:80	BD
CD273	TY25	Rat IgG2a	APC	1:800	Biolegend
CD24	M1/69	Rat IgG2b	PECy7	1:10000	Biolegend
CD11b	M1/70	Rat IgG2b	BV786	1:12000	Biolegend
CD275	HK5.3	Rat IgG2a	PE	1:4000	Biolegend
CD278	7E.17G9	Rat IgG2b	APC	1:400	Biolegend
CD11c	N418	Ham IgG	P.B	1:400	Biolegend
CD3	17A2	Rat IgG2b	BV510 APC	1:200	Biolegend
B220	RA3-6B2	Rat IgG2a	BV510 PE APC	1:500 1:200 1:1000	Biolegend Tombo Biolegend
NK1.1	PK136	Mouse IgG2a	PE Biotin	1:200	BD Biolegend
Ly6G	1A8	Rat IgG2a	PE	1:200	Biolegend
Ly6c	HK1.4	Rat IgG2c	PECy7	1:12000	Biolegends
TER119	TER119	Rat Wl Rat IgG2b	PE Biotin	1:200	BD Thermofisher

XCR1	ZET	Mouse IgG2b	BV785	1:1500	Biolegend
CD4	RM4-5	Rat IgG2a	BV785 APC	1:1000	Biolegend Thermofisher
Vb5.15.2	MR9-4	Mouse IgG1	FITC	1:750	Biolegend
CD27	LG3A10	Ham IgG	BV421	1:4000	Biolegend
T1 / ST2	DJ8	Rat IgG1	Biotin	1:1500	MD Biosciences
TSLPR	22H9	Rat IgG2a	APC	1:10000	Biolegend
CD62L	MEL-14	Rat IgG2a	FITC	1: 500	Biolegend
CD44	IM7	Rat IgG2a	PE	1:12000	Biolegend
PDL2	TY25	Rat IgG2a	APC	1: 800	Biolegend
PD-1	29F.1A12	Rat IgG2a	PEcy7	1:300	Biolegend
Fas	15A7	Mouse IgG1	PE	1:300	Thermofisher
GL-7	GL-7	Rat IgM	biotin	1:250	Thermofisher
CCR4	2G12	Ham IgG	biotin	1:200	Biolegend
StreptAvidin			FITC	1:250	Biolegend
			PE	1:2000	Thermofisher
			APC	1:2000	
			BV510	1:300	
			APCCy7	1:4000	Biolegend
			P.B	1:500	Thermofisher
7-AAD			PerCP	5µl/sample	BD
2.4G2				1:100	BD
Isotype Ctrl	M075-6	Mouse IgG1	Biotin	1:100	MBL
	RTK2758	Rat IgG2a	PE	1:200	Biolegend
hCD2	RPA-2.10	Mouse IgG1	Biotin	1:300	Biolegend
Anti-human antibody					
CD3	UCHT1	Mouse IgG1	FITC	5µl/sample	Biolegend
CD14	M5E2	Mouse IgG2a	FITC	5µl/sample	Biolegend
CD16	3G8	Mouse IgG1	FITC	5µl/sample	Biolegend
CD19	SJ25C	Mouse IgG1	FITC	5µl/sample	Biolegend
CD213α1	SS12B	Mouse IgG1	PE	5µl/sample	Biolegend
HLA-DR	L243	Mouse IgG2a	APC	5µl/sample	Biolegend

CD11c	B-ly6	Mouse IgG1 (BALB/c)	BV421	5µl/sample	BD
CD123	9F5	Mouse IgG1 (BALB/c)	BV510	5µl/sample	BD
Isotype Ctrl	MOPC21	Mouse IgG1	PE	5µl/sample	Biolegend
Isotype Ctrl	MOPC- 173	Mouse IgG2a	APC	5µl/sample	Biolegend
Fc1				1:100	BD
Immunohistological staining					
B220	RA3-6B2	Rat IgG2a	PE APC	1:50	Biolegend
CD4	RM4-5	Rat IgG2a	FITC	1:50	eBioscience
CD11c	N418	Armenian Hamster IgG	AlexaFluor647	1:50	Biolegend
CD301b	URA-1	Rat IgG2a	PE	1:50	Biolegend
IL-13Ra1	1G3	Mouse IgG1	Biotin	1:50	HycultBiotech
CX3CR1	SA011F1 1	Mouse IgG2a	PE	1:100	Biolegend
Streptavidin			AlexaFluor647 PE	1:400 1:200	ThermoFisher BD

S-Table 3: Mass Cytometry Antibodies

Mass Cytometry Antibodies			
Target	Clone	Metal	Source
CD45	30-F11	89Y	Standardbiotools
CD4	RM4-5	116Cd	Standardbiotools
CD44	IM7	141Pr	Standardbiotools
TCRb	H57-597	143Nd	Standardbiotools
CD27	LG.3A10	150Nd	Standardbiotools
CD279/PD1	RMP1-30	159Tb	Standardbiotools
CD127/IL-7Ra	A7R34	165Ho	Standardbiotools
CD62L	MEL-14	166Er	Standardbiotools
TCRrd	GL3	172Yb	Standardbiotools
CD25	3C7	174Yb	Standardbiotools
CD197/CCR7	4B12	176Yb	Standardbiotools
CD8a	53-6.7	194Pt	Standardbiotools
CD3e	145-2C11	196Pt	Standardbiotools
CD45R/B220	RA3-6B2	114Cd	Standardbiotools
CD43	S11	146Nd	Standardbiotools
CD19	6D5	149Sm	Standardbiotools
IgM	RMM-1	151Eu	Standardbiotools
CD138	281-2	168Er	Standardbiotools
CD21	7G6	169Tm	Standardbiotools
CD49b	DX5	152Sm	Standardbiotools
CD335/NKp46	29A1.4	167Er	Standardbiotools
NK1.1	PK136	170Er	Standardbiotools
CD11b	M1/70	148Nd	Standardbiotools
CX3CR1	SA011F11	155Gd	Standardbiotools
CD80/B7-1	16-10A1	158Gd	Standardbiotools
CD11c	N418	161Dy	Standardbiotools
CD170/Siglec-F	S17007L	163Dy	Standardbiotools
CD274/PD-L1	NIH5	164Dy	Standardbiotools
F4/80	BM8	173Yb	Standardbiotools
XCR1	ZET	175Lu	Standardbiotools
Ly-6G	1A8	195Pt	Standardbiotools

Ly-6C	HK1.4	198Pt	Standardbiotools
MHCII	M5/114.15.2	209Bi	Standardbiotools
IL-13Ra1	1G3	154Sm	Standardbiotools
DNA	-	191/193Ir	Standardbiotools
DNA	-	103Rh	Standardbiotools