

**Supplementary Table S1:** For ease of identification, full detail of antibodies and materials are shown under the registry of a publicly available database (antibodyregistry.org).

<b>Antibody</b>	<b>Concentration</b>	<b>Provider</b>	<b>Clone and antibody registry number</b>
CD4	1/200	BD Pharmingen	RM4-5; RRID: AB_1937327
CD4	1/200	BDHorizon	GK1.5; RRID:AB_395010
CD8	1/200	Biologend	53-6.7; RRID: AB_2563056
CD11b	1/200	eBioscience	M1/70; RRID:AB_468883
CD11c	1/200	Biologend	N418; RRID:AB_313770
CD11c	1/200	BD Biosciences	HL3; RRID:AB_395058
CD206	1/200	Biologend	C068C2; RRID: AB_2562232
CD31	1/100	Millipore	2G8; RRID:AB_94207
CD39	1/200	Biologend	Duha59; RRID:AB_2563394
CD45	1/200	Biologend	30-F11; RRID:AB_10898325
CD62L	1/200	eBioscience	MEL-14; RRID:AB_469632
CD69	1/200	Biologend	H1.2F3; RRID:AB_10683447
CD73	1/200	Biologend	TY/11.8; RRID AB_2154094
CD119 (IFN- $\gamma$ Receptor $\alpha$ )	1/100	BD Biosciences	GR20;RRID:AB_2740545
CD183 (CXCR3)	1/200	Thermo Fisher Scientific	CXCR3-173; RRID:AB_1210734
$\alpha$ SMA	1/100	Sigma	1A4; RRID:AB_476856
CTLA4	1/100	eBioscience	UC10-4B9; RRID:AB_467510
F4/80	1/200	Biologend	BM8; RRID: AB_893486
FoxP3	1/100	Biologend	150D; RRID: AB_439747
FoxP3	1/100	Biologend	FJK-16s; RRID: AB_1518812
FoxP3	1/100	Biologend	MF-14; RRID:AB_2565933
FR4	1/200	eBioscience	eBio12A5; RRID: AB_842799
GITR	1/200	BD Horizon	DTA-1
GITR	1/200	Biologend	YGITR765; RRID: AB_528907
GR1	1/200	eBioscience	RB6-8C5
GR1	1/200	BD Horizon	RB6-8C5
GzmB	1/200	eBioscience	GB11; AB_2114575
Ki-67	1/100	Biologend	16A8; RRID:AB_2629531
IL-10	1/100	Biologend	JEs5-16E3; RRID: AB_11150582

IL-2	1/100	Biolegend	JES6-5H4; RRID: AB_2650897
INF $\gamma$	1/200	Biolegend	XMG1.2; RRID: AB_493312
IRN $\gamma$ Rb	1/100	Biolegend	MOB-47; RRID:AB_2783052
KLRG1	1/200	BD Horizon	2F1
Lag3	1/200	Biolegend	C9B7W; RRID: AB_2561516
OX-40	1/200	Biolegend	OX-86; RRID: AB_10962569
PD1	1/200	Biolegend	29F.1A12; RRID: AB_2159184
PD1	1/200	Biolegend	29F.1A12; RRID: AB_2563680
TCR $\beta$	1/200	Biolegend	H57-597; RRID: AB_2562350
TCR $\beta$	1/200	Biolegend	H57-597;RRID: <a href="#">AB_2629564</a>
TIGIT	1/200	Biolegend	1G9; RRID: AB_10962572
Tim3	1/200	eBioscience	8B.2C12; AB_2573233
TGF $\beta$	1/100	Biolegend	TW7-16B4; AB_2561580
TNF $\alpha$	1/200	Biolegend	MP6-XT22; AB_2565953