

Supplementary Table S2. Flow cytometry panels.

Fluorochrome	Violet Laser (405 nm)						Blue Laser (488nm)		Yellow-Green Laser (561nm)				Red Laser (640nm)		
	BV421	BV510	BV605	BV650	BV711	BV786	FITC	PerCP-Cy5.5	PE	PE-TR	PE-Cy5	PE-Cy7	APC	AF700	APC-H7
Panel I	Molecule	Tcf-1	CD3	PD-1		CD39	CD103	Ki-67	T-bet			Eomes	4-1BB	CD8	L/D/CD14/CD19
	Sources	CST	BioL	BioL		BD	BD	BioL	eBio			eBio	BD	BD	Invitro/BD/BD
Panel II	Molecule	Tcf-1	CD3	PD-1	4-1BB	CD39	CD103		Tim-3	L/D/CD14/CD19		CTLA-4			CD8
	Sources	CST	BD	BioL	BD	BioL	BD		BioL	Invitro/BD/BD		eBio			BD
Panel III	Molecule	PD-1	CD3		CD39	CD8	Ki-67		T-bet	L/D/CD14/CD19		Eomes	4-1BB	CD38	HLA-DR
	Sources	BioL	BD		BD	BD	BD		eBio	Invitro/BD/BD		eBio	BD	BD	eBio
Panel IV	Molecule	Tcf-1	CD3	Tim-3	PD-1	CD39	CD103			L/D/CD14/CD19		CTLA-4	4-1BB		CD8
	Sources	CST	BD	BioL	BioL	BioL	BD			Invitro/BD/BD		eBio	BD		BD
Panel V	Molecule	PD-1	CD3		CD69	CD8	CD103		Multimer	L/D/CD14/CD19			Multimer		CD39
	Sources	BioL	BioL		BioL	BD	BD		ID	Invitro/BD/BD			PI		BioL
Panel VI	Molecule	OX40	CD3	PD-1			CD30	CD40L	GITR	L/D/CD14/CD19		CD8	4-1BB		CD39
	Sources	BioL	BioL	BioL			BD	BD	BioL	Invitro/BD/BD		BD	BD		BioL
Panel VII	Molecule	CTV					CD3			L/D/CD14/CD19				CD8	
	Sources	Invitro					BD			Invitro/BD/BD				BD	
Panel VIII	Molecule	IFN- γ					CD3			L/D/CD14/CD19		CD8	TNF- α		
	Sources	BD					BD			Invitro/BD/BD		BD	eBio		
Panel IX	Molecule	PD-1						7-AAD	4-1BB			CD8			CD39
	Sources	BioL						BD	BD			BD			BioL
Panel X	Molecule	PD-1					CD8	7-AAD					4-1BB		CD39
	Sources	BioL					BD	BD					BD		BioL

CST; Cell Signaling Technology, BD; BD Biosciences, BioL; Biolegend, eBio; eBiosciences, Invitro; Invitrogen, ID; Immudex, PI; Proimmune, CTV; Cell Trace Violet.