

**S1 Table. Panel 1: monoclonal antibodies used to characterize regulatory and activation markers on CD4<sup>+</sup> T cells.**

Specificity	Fluorochrome	Volume per test ( $\mu$ L)	Manufacturer
FoxP3	PerCPcy5.5	5	e-Bioscience
CD39	FITC	3	Biolegend
CD4	APCcy7	1	Biolegend
CTLA-4	APC	5	Biolegend
HLA-DR	Alexa 700	3	BD
CD25	BV 605	3	Biolegend
PD-1	BV 650	5	BD Horizon
Viability	Acqua	0.67	Invitrogen
CD127	BV 421	3	Biolegend
CD3	PE-TR	1	Invitrogen
CD69	PEcy7	3	Biolegend
CD8	PEcy5	20	BD
TNFR11	PE	7.5	BD