

Supplemental Table 1. Panel designs.

A) Multispectral immunofluorescence T cell panel

Marker	Primary antibody clone and producer	Species and isotype	Dilution	Detection method
PD-1	D4W2J, CST	rabbit IgG	1:1000	Indirect with OPAL 570
Tbet	D6N8B XP, CST	rabbit IgG	1:2000	Indirect with OPAL 520
FOXP3	236A/E7, Invitrogen	mouse IgG1	1:25	Indirect with CF Goat-a-Mouse IgG1 633
CD8	4B11, Novocastra	mouse IgG2b	1:50	Indirect with Alexa Goat-a-Mouse IgG2b 647
TIM3	D5D5R XP, CST	rabbit IgG	1:25	Indirect with Alexa Goat-a-Rabbit IgG 680
CD3	D7A6E, CST	rabbit IgG	1:50	Directly labelled with Alexa 594

B) Multispectral immunofluorescence myeloid cell panel

Marker	Primary antibody clone and producer	Species and isotype	Dilution	Detection method
PD-L1	SP142, Spring Bioscience	rabbit IgG	1:6000	Indirect with OPAL 520
CD14	D7A2T, CST	rabbit IgG	1:25	Indirect with CF Donkey-a-Rabbit IgG 633
CD33	PWS44, Novocastra	mouse IgG2b	1:25	Indirect with Alexa Goat-a-Mouse IgG2b 647
CD163	10D6, Invitrogen	mouse IgG1	1:10	Indirect with CF Goat-a-Mouse IgG1 680
CD11c	EP1347Y, Abcam	rabbit IgG	1:100	Directly labelled with Alexa 546
CD68	D4B9C XP, CST	rabbit IgG	1:50	Directly labelled with Alexa 594

C) Dual immunohistochemistry panel

Marker	Primary antibody clone and producer	Species and isotype	Dilution	Detection method
CD11c	EP1347Y - Abcam	rabbit IgG	1:800	DAB
CD4	EPR6855 - Abcam	rabbit IgG	1:1600	DAB
CD68	D4B9C XP - CST	rabbit IgG	1:800	DAB
FOXP3	236A/E7 - Invitrogen	mouse IgG1	1:200	Vector Red
CD163	10D6 - Invitrogen	mouse IgG1	1:200	Vector Red