

Supplemental Table 3. Imaging mass cytometry antibody panel.

Metal	Marker	Clone	Dilutions
141Pr	aSMA	1A4	1:100
142Nd	CD56	EP2567Y	1:100
143Nd	Ki-67	B56	1:100
144Nd	CD14	SP192	1:100
145Nd	MPO	EPR20257	1:100
146Nd	CD16	EPR16784	1:100
147Sm	CD31	EP3095	1:100
148Nd	TTF1	SP141	1:100
149Sm	HIF-1a	EP1215Y	1:100
150Nd	PD-L1/Biotin	E1L3N/1D4-C5	1:50
151Eu	OX40	SP195	1:100
152Sm	CD45	D9M8I	1:100
153Eu	LAG3/CD223	D2G40	1:50
154Sm	TIM3/CD366	D5D5R	1:50
155Gd	Foxp3	236A/E7	1:50
156Gd	CD4	EPR6855	1:100
158Gd	CCR7	Y59	1:100
159Tb	CD68	KP1	1:50
160Gd	VISTA/PD-1H	D1L2G	1:100
161Dy	CD20	H1	1:100
162Dy	CD8a	C8/144B	1:50
163Dy	CCR5	31374	1:100
164Dy	CD163	ab213612	1:100
165Ho	PD-1	EPR4877(2)	1:50
166Er	B7-H4	H74	1:100
167Er	CD39	EPR20627	1:100
168Er	CD40	EPR20540	1:50
169Tm	CD94	EPR21003	1:100
170Er	CD3	Polyclonal	1:50
171Yb	CXCL13	53602	1:50
172Yb	PD-L2	176611	1:50
173Yb	CD45RO	UCHL1	1:100
174Yb	HLA-DR	EPR3692	1:100
175Lu	Pancytokeratin	AE1+AE3	1:100
176Yb	CD11c	EP1347Y	1:100
191Ir	DNA1	N/A	1:100
193Ir	DNA2	N/A	1:100