

T cell exhaustion/activation panel

	Specificity	Alternate name	purpose
1	CD103	integrin subunit alpha E	differentiation
2	CD127	Interleukin-7 receptor subunit alpha (IL7R- α)	differentiation
3	CD134	OX-40	co-stimulatory
4	CD137	4-1BB	co-stimulatory
5	CD152	Cytotoxic T-lymphocyte-associated protein 4 (CTLA-4)	co-inhibitory
6	CD183	C-X-C motif chemokine receptor 3 (CXCR3)	trafficking
7	CD186	C-X-C motif chemokine receptor 6 (CXCR6)	trafficking
8	CD194	Chemokine receptor 4 CCR4	trafficking
9	CD197	Chemokine receptor 7CCR7	differentiation
10	CD223	Lymphocyte-activation gene 3 (LAG-3)	activation
11	CD244	2B4	co-inhibitory
12	CD25	Interleukin 2 Receptor Subunit Alpha	differentiation
13	CD27	n/a	differentiation
14	CD272	B- and T-lymphocyte attenuator (BTLA)	co-inhibitory
15	CD278	Inducible T-cell Costimulator (ICOS)	co-stimulatory
16	CD279	Programmed Death 1 (PD-1)	co-inhibitory
17	CD28	n/a	differentiation
18	CD3	n/a	lineage
19	CD357	Glucocorticoid-induced TNFR-related gene (GITR)	co-stimulatory
20	CD366	T cell immunoglobulin and mucin domain containing protein-3 (TIM-3)	co-inhibitory
21	CD4	n/a	lineage
22	CD45	Protein tyrosine phosphatase receptor type, C	lineage
23	CD45RA	n/a	differentiation
24	CD45RO	n/a	differentiation
25	CD57	3-beta-glucuronosyltransferase 1 (B3GAT1)	differentiation
26	CD69	C-Type Lectin Domain Family 2, Member C	activation
27	CD8	n/a	lineage
28	CD95	Fas cell surface death receptor	differentiation
29	HLA-DR	MHC class II molecule	activation
30	TCR alpha/beta	n/a	T cells
31	TCR gamma/delta	n/a	T cells
32	TIGIT	WUCAM	co-inhibitory
33	LIVE/DEAD	n/a	viability