

Title: A Streamlined CyTOF Workflow To Facilitate Standardized Multi Site Immune Profiling of COVID 19 Patients

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Table Title: Fluidigm MDIPA Panel

Data source: Supplementary Table 1: Antibodies

Antigen	Clone	Metal Isotope	Source
CD45	HI30	89 Y	Fluidigm
CCR6	G034E3	141 Pr	Fluidigm
CD123	6H6	143 Nd	Fluidigm
CD19	HIB19	144 Nd	Fluidigm
CD4	RPA T4	145 Nd	Fluidigm
CD8a	RPA T8	146 Nd	Fluidigm
CD11c	Bu15	147 Sm	Fluidigm
CD16	3G8	148 Nd	Fluidigm
CD45RO	UCHL1	149 Sm	Fluidigm
CD45RA	HI100	150 Nd	Fluidigm
CD161	HP 3G10	151 Eu	Fluidigm
CCR4	L291H4	152 Sm	Fluidigm
CD25	BC96	153 Eu	Fluidigm
CD27	323	154 Sm	Fluidigm
CD57	HCD57	155 Gd	Fluidigm
CXCR3	G025H7	156 Gd	Fluidigm
CXCR5	J252D4	158 Gd	Fluidigm
CD28	CD28.2	160 Gd	Fluidigm
CD38	HB 7	161 Dy	Fluidigm
CD56	NCAM16.2	163 Dy	Fluidigm
TCRgd	B1	164 Dy	Fluidigm
CD294	BM16	166 Er	Fluidigm
CCR7	G043H7	167 Er	Fluidigm
CD14	63D3	168 Er	Fluidigm
CD3	UCHT1	170 Er	Fluidigm
CD20	2H7	171 Yb	Fluidigm
CD66b	G10F5	172 Yb	Fluidigm
HLADR	LN3	173 Yb	Fluidigm
IgD	IA6 2	174 Yb	Fluidigm
CD127	A019D5	176 Yb	Fluidigm

Table Title: Additional Antibodies
 Data source: Supplementary Table 1: Antibodies

Antigen	Clone	Metal Isotope	Source
CD45	HI30	89 Y	Fluidigm
CD57	HNK 1	113 In	Biolegend
CD11c	Bu15	115 In	Biolegend
CD33	WM53	141 Pr	Biolegend
CD19	REA675	142 Nd	Miltenyi
CD45RA	REA562	143 Nd	Miltenyi
CD141	Phx01	144 Nd	Biolegend
CD4	REA623	145 Nd	Miltenyi
CD8	REA734	146 Nd	Miltenyi
CD20	2H7	147 Sm	Biolegend
CD16	REA423	148 Nd	Miltenyi
CD127	A019D5	149 Sm	Fluidigm
CD1c	REA694	150 Nd	Miltenyi
CD123	REA918	151 Eu	Miltenyi
CD66b	REA306	152 Sm	Miltenyi
CD62L	DREG56	153 Eu	Fluidigm
ICOS	C398.4A	154 Sm	Biolegend
CD27	REA499	155 Gd	Miltenyi
PD L1	29E.2A3	156 Gd	Biolegend
CCR6	G034E3	158 Gd	Biolegend
CD169	7 239	159 Tb	Biolegend
CD14	REA599	160 Gd	Miltenyi
CD56	REA196	161 Dy	Miltenyi
gdTCR	REA591	162 Dy	Miltenyi
CXCR5	REA103	163 Dy	Miltenyi
CD69	FN50	164 Dy	Biolegend
CD88	S5/1	165 Ho	Biolegend
CD25	M A251	166 Er	Biolegend
CCR7	G043H7	167 Er	Biolegend
CD3	REA613	168 Er	Miltenyi
CD71	CY1G4	169 Tm	Biolegend
CD38	REA671	170 Er	Miltenyi
CD161	HP 3G10	171 Yb	Biolegend
CD39	A1	172 Yb	Biolegend
CXCR3	REA232	173 Yb	Miltenyi
HLADR	REA805	174 Yb	Miltenyi
PD 1	EH12.2H7	175 Lu	Fluidigm
CCR4	205410	176 Yb	R&D Systems
CD61	VI PL2	209 Bi	Fluidigm
CD11b	M1/70	113 In	Biolegend
CD10	H10a	144 Nd	Biolegend
TIGIT	MBSA43	153 Eu	Fluidigm
CD86	IT2.2	154 Sm	Biolegend
CD26	BA5b	154 Sm	Biolegend
CD80	2D10	162 Dy	Biolegend
IgA	polyclonal	162 Dy	SouthernBiotech
CD5	UCHT2	163 Dy	Biolegend
CD40	HB14	164 Dy	Biolegend
LOX 1	331212	165 Ho	R&D Systems
41BB	4B4 1	165 Ho	Biolegend
CD169	7 239	166 Er	Biolegend
Beta7	REA441	169 Tm	Miltenyi
OX40	BerAct 35	169 Tm	Biolegend
CD95	DX2	171 Yb	Biolegend
LAG3	11C3C65	172 Yb	Biolegend
CD73	AD2	173 Yb	Biolegend
DNAM 1	11A8	173 Yb	Biolegend
CD29	TS2/16	175 Lu	Biolegend
CD54	HCD54	176 Yb	Biolegend
IgM	MHM 88	176 Yb	Biolegend
TIM3	F38 2E2	176 Yb	Biolegend
NKG2A	REA110	176 Yb	Miltenyi
NKG2C	REA205	158 Gd	Miltenyi
CD64	10.1	165Ho	Biolegend