

Supplementary Table 7. Clusters of antigens expressed on primary ccRCC cancer and stromal cell populations, continued.

Immune cells and fibroblasts cluster																								
	229 CD45+	243 CD45+	266 CD45+	267 CD45+	278 CD45+	284 CD45+	229 Endothel	243 Endothel	266 Endothel	267 Endothel	278 Endothel	284 Endothel	229 Fibroblas	243 Fibroblas	266 Fibroblas	267 Fibroblas	278 Fibroblas	284 Fibroblas	229 Lin-	243 Lin-	266 Lin-	267 Lin-	278 Lin-	284 Lin-
CD38	37.8	54.7	41.7	47	54.7	58.6	1.36	36.5	21.4	34.2	22.6	19.7	13.8	56.1	31.3	73.2	21.7	13.8	2.88	9.71	5.56	24.3	36.2	2.56
CD49D	83.8	88.2	98.5	96.6	98.3	95.4	10.3	44.2	62.5	24.7	18.2	11.2	93.9	98.4	73.3	80.5	98.2	93.4	4.23	8.02	8.93	26.8	8.49	7.78
CD97	16.5	24.4	47.2	44.6	67	59.3	0.239	3.48	1.14	1.05	5.75	3.48	23.5	21.8	3.09	19.4	37.3	67.3	0.88	0.751	1.6	2.82	1.16	2.7
CD14	48.3	31.8	33.3	62.1	48.1	39.7	5.61	4.35	5.71	22.8	33.8	22.4	40.4	23	12.7	37.3	60.1	61.5	27.2	1.7	9.54	28.1	51.6	18.7
CD44	92.5	94.2	96.1	93.1	98.8	93.9	10.4	14.7	21.2	9.5	35.6	2.7	58.5	69.8	21	73.9	86.9	87.4	14.1	39.4	4.86	27.9	92.1	14.8
CD148	73.5	91.7	91	90.8	96.9	92.6	13.7	29.2	21.4	27.1	28.2	11.2	93.8	99.1	37.5	86.5	91.6	96.6	79.1	73.8	30.6	51.7	90.1	61.4
Endothelial and fibroblast cluster																								
	229 CD45+	243 CD45+	266 CD45+	267 CD45+	278 CD45+	284 CD45+	229 Endothel	243 Endothel	266 Endothel	267 Endothel	278 Endothel	284 Endothel	229 Fibroblas	243 Fibroblas	266 Fibroblas	267 Fibroblas	278 Fibroblas	284 Fibroblas	229 Lin-	243 Lin-	266 Lin-	267 Lin-	278 Lin-	284 Lin-
CDW93	30	6.18	13.3	14.2	24.6	27.4	73	74.4	96	70.1	64.9	53.2	50.9	75.6	15.6	36.4	47.6	52	30.4	11.1	9.17	17.3	26.5	20.7
CD39	27.7	31.3	26.1	35.8	29.9	19.5	98.1	83.9	100	93.9	98.4	98.5	80.1	86.8	17.5	65.6	97	89.4	0.443	1.15	0.588	0.563	1.43	4.27
CD141	22.1	15	19.8	36.7	20.9	29.6	96.8	100	97.5	99.5	100	99.5	71.5	86.8	14.7	90.3	95.1	98	2.92	43.2	3.67	48.9	42.7	15.6
CD130	7.58	4.33	6.92	15.4	12.3	3.78	47.7	96.2	74.1	72.5	85.2	68.4	64.1	51.6	22.2	52.9	80.8	63	33.3	23	20.9	45.6	28.6	29.7
CD34	3.2	2.52	1.49	4.99	0.747	5.85	99.8	99.1	100	100	100	100	100	100	35.1	74.7	96.7	100	3.82	8.24	4.58	63.2	0.833	20.2
CD146	21.4	11	12.1	20.7	16.1	19.8	100	98.7	97.3	100	98.6	99.5	96.9	99.2	64.2	98.9	100	98	34.9	25.3	31.2	66.4	36.9	62.5
CD107A	9.97	13.9	6.3	15.7	9.93	12.9	45.1	73.2	57.1	56	54.9	64.2	61.8	32.5	7.44	39.8	53	50.5	10.7	9.31	3.62	16.4	5.43	32
CD165	11.6	2.32	0.524	5.53	1.46	4.45	66.7	78.9	41.5	90.5	75.4	73	93	23.1	2.9	46.7	93.2	79.9	0.486	0.199	1.16	1.58	0.664	2.66
CD317	30.7	40.1	52.8	55.1	45.6	24.9	99.2	100	100	78.2	87.8	80	91.3	100	50	62.4	99.2	87.4	8.92	29.8	1	29.7	77.9	63.6
Immune, endothelial and fibroblast cluster																								
	229 CD45+	243 CD45+	266 CD45+	267 CD45+	278 CD45+	284 CD45+	229 Endothel	243 Endothel	266 Endothel	267 Endothel	278 Endothel	284 Endothel	229 Fibroblas	243 Fibroblas	266 Fibroblas	267 Fibroblas	278 Fibroblas	284 Fibroblas	229 Lin-	243 Lin-	266 Lin-	267 Lin-	278 Lin-	284 Lin-
CD74	43	20	26.1	36.6	18.8	0.582	11.6	8.82	74.1	11.3	53.2	0.405	31.6	13.7	11	9.41	38.4	1	2.34	0.861	3.26	3.03	3.49	0.358
CD85J	48.7	21.6	40.4	58.5	20	31.6	46.3	27.2	62.1	55.4	32.9	13.8	39.5	1.95	19.8	45.4	10.7	0.741	22.9	0.877	26.4	39.3	1.74	0.923
CD84	76.5	71.3	67.7	82.2	86.5	78.4	89.7	79.1	81.2	89.5	82.9	77.7	89.4	92.8	18.4	93.5	93	95.7	26.8	3.95	21	52.1	73	49.1
CD120a	38.9	33.1	14.2	65	31.1	12.8	11.6	41.3	56.5	43.5	43.3	26.2	41.3	48.6	12.8	53.8	50	24.3	3.78	5.01	7.87	26.6	18.1	14.1
CD143	33.1	29.7	15.5	65.7	25.5	14.5	70.6	100	97.1	100	69.1	75.3	45.1	97	16.1	80.7	41.7	24.8	2.22	2.74	18.1	34.7	17.1	11.5
CD31	65.3	77.7	73.3	76.5	55.3	60.3	100	96.8	100	100	99.7	100	99.7	60.8	68.7	61.5	69.1	68.3	11	4.41	27.6	30.7	8.1	20.6
CD102	38.4	33.4	68.4	43.8	53.7	54.1	99.5	99.4	100	99.7	97.8	99.3	48.5	51.1	20.2	17.4	76	41.7	6.38	1.95	6.76	10.1	47.5	1.96
CD298	81.7	91.6	95.8	97.6	98	0.181	100	100	100	100	100	99.6	97.8	51.7	51.3	92.5	97.6	1	53.7	23.5	18.4	37.1	52.8	0.108
Endothelial, fibroblast and cancer cluster																								
	229 CD45+	243 CD45+	266 CD45+	267 CD45+	278 CD45+	284 CD45+	229 Endothel	243 Endothel	266 Endothel	267 Endothel	278 Endothel	284 Endothel	229 Fibroblas	243 Fibroblas	266 Fibroblas	267 Fibroblas	278 Fibroblas	284 Fibroblas	229 Lin-	243 Lin-	266 Lin-	267 Lin-	278 Lin-	284 Lin-
CD66e	61.9	36	47.1	70.2	59.8	48	99.4	86.7	95.7	96.1	98.6	98	99.5	93.7	79.1	95.2	98.5	99.1	76.4	62.1	54.3	94.3	89.1	86
CD175s	52.9	22.6	40.2	56.1	32.6	35.1	99	84.2	100	93.9	100	97.4	97.9	78.9	89.7	96.7	98.9	99.4	57.5	30.3	66.1	62.8	80.6	75
CD105	38.8	36	60.4	63.6	35.7	47.3	99.7	100	100	100	98.5	100	99	100	83	89.6	100	97.5	61.9	11.5	63.7	64.6	62.8	57
CD223	42.3	24.5	54.1	59.2	56.7	31.7	100	100	100	100	99.6	100	95	98.4	97.4	100	99.3	83.2	6.64	87.1	82	77.4	51.7	
CD283	27.5	13	43.2	37.1	30.1	3.69	76.5	75	94.6	81.5	73.9	66.2	77.2	71	55.3	75.5	65.6	60.9	41.8	6.88	53.7	43.9	51.5	10.5
CD51,2f,C	23.1	4.9	7.42	20.2	4.97	7.9	90.4	85.7	81.5	92.9	86.1	93.4	95.5	98.6	25	96	100	99.3	90.5	56.9	16.8	86.1	52.4	85.3
CD61	13.4	4.26	1.93	12.2	3.93	12.9	77.1	93.8	100	92.9	100	84.1	98.8	96.6	10.5	100	100	99.5	81.8	53.3	1	92.6	37.4	81.9
CD200	17.6	3.75	5.41	6.25	13.7	6.34	94.2	82.9	100	96.4	100	97.7	98.3	75.7	53.5	71.3	96.8	94.5	99.4	72.7	77	8.37	95.5	59
CD9	74	22.3	21.9	52.7	85.4	37.6	99.6	95.1	98.2	97.2	100	97.6	99.6	92.1	93.2	99.6	99.5	98.5	96.6	81.3	97.4	96.1	100	92.2
CD49A	32.6	10.1	23.4	27.5	42.4	35.3	98.8	100	100	100	97.3	100	100	98.2	100	99.4	100	100	99.4	57.9	98.5	96.2	99.7	91.5
CD49B	19.5	15.7	20.2	12.6	27.5	14.4	100	99	100	99.5	100	99.5	97.7	94.4	100	92.6	93.8	99.1	99.4	84.8	95.3	98.5	99.7	91.8
CD49C	31	11.9	15.8	21.2	62.1	50.4	99.5	97.1	100	96.1	97.8	99.6	98.5	98.1	100	100	99.1	99.1	98.4	95.7	97.4	95.3	100	91.2
CD49F	48.9	45.9	45.4	75.1	65.6	53.9	100	100	100	100	100	99.6	95.9	100	100	100	98.8	99.2	98.6	85.9	98	97.2	99.7	88.9
CD63	63.8	40.2	52.6	71.9	68.9	71.3	99.5	98.7	100	100	100	100	99.6	98.2	92.2	100	100	100	99.5	96.7	84.5	97.6	99.9	94.8
CD304	14.6	2.94	23.4	30.7	10.7	14.4	94.3	72.7	86.8	94.9	95.6	94.5	100	87.2	78.3	95.6	100	100	99.1	44.6	72.1	88.6	97	84