

Supplementary table 1. Example of a full compensation matrix showing spillover differences in PECy7 and APCH7 tandem fluorochromes (differences are highlighted in bold).

		Secondary Fluorescence Channel																						
		PacB	PacO	FITC	PE	PerCP Cy5.5	CD19- PECy7	CD5- PECy7	CD3- PECy7	CD10- PECy7	CD56- PECy7	CD45RA- PECy7	CD117- PECy7	APC	CD4- APCH7	CD24- APCH7	CD14- APCH7	CD71- APCH7	SmIgλ- APCH7	CD81- APCH7	CD19- APCH7	CD10- APCH7	CD38- APCH7	CD9- APCH7
Primary Fluorescence Channel	PacB	100	1.68	0	0	0	0	0	0	0	1.84	0	0	0	0.27	1.24	0.55	0	0	0	0.5	0	0	0
	PacO	15.69	100	4.39	0.62	0	0.15	0	0	0.12	2.8	0	0.05	0.01	0.6	1.62	1.1	0.29	0.13	0.11	1.27	0.24	0.18	0.27
	FITC	0.07	0.35	100	0.94	0	0	0	0.05	0.07	0.79	0.02	0.05	0.02	0.53	0.5	0.73	0	0	0	0	0.02	0.03	0.02
	PE	0	0.18	14.3	100	0	0.66	0.88	0.71	1.43	1.36	0.95	0.97	0	0.22	0.38	0.34	0.05	0.02	0.04	0	0.04	0.03	0.04
	PerCPCy5.5	0.05	0.21	3.37	33.25	100	0.76	0.66	0.58	1	1.97	0.69	0.9	1.04	0.42	1.23	0.59	0	0	0	0	0	0	0
	PECy7	0.03	0.01	0.29	2.37	14.17	100	100	100	100	100	100	100	0.12	1.43	1.67	1.68	1.82	1.36	1.31	1.5	1.75	1.26	1.6
	APC	0.02	0	0	0.04	1.9	0.02	0	0	0.03	0.37	0	0.03	100	1.87	4.25	1.85	2.59	1.67	1.38	1.47	2.35	1.68	1.95
	APCH7	0	0	0	0	4.67	8.62	7.7	8.88	7.25	6.76	8.36	7.84	10.6	100	100	100	100	100	100	100	100	100	100

PacB: Pacific Blue; PacO: Pacific Orange; FITC: Fluorescein isothiocyanate; PE: Phycoerythrin; PerCPCy5.5: Peridinin-chlorophyll-protein-cyanin5.5; Cy7: Cyanin7; APC: Allophycocyanin; H7: Hiltite7.