Supplementary Figure 1





b)

a)

C)



Supplementary Figure 2: Barcoded T cell populations can be distinguished after 6 hours of culturing in both restimulating or non-restimulating conditions. a) Representative flow cytometry plots showing the percentages of IFN- γ - and/or IL-4- expressing barcoded cells for both Th0 (samples 1,2,6) and Th1 (samples 3,4,5) differentiated in the non-restimulated group. b-c) Representative flow cytometry plots showing the actual gating of barcoded populations in the non-restimulated (b) and restimulated groups (c).

Supplementary Figure 3



Supplementary Figure 3: Flow cytometry plots of a representative set of the six uniquely barcoded samples from the data in (Figure 6c). Red rectangular gates show B cells (a), CD4+ and CD8+ T cells (b), dendritic cells (c), granulocytes (d), monocytes (e), macrophages (f) and NK cell (g). Numbers refer to the percentage of the cells of each type within the live cell gate.

Supplementary Table 1

	Clone	Conjugate	Vendor	Catalog no
Rat anti human/mouse B220	RA3-6B2	AF488	Biolegend	103225
Rat anti human/mouse B220	RA3-6B2	BV785	Biolegend	103246
Rat anti human/mouse B220	RA3-6B2	BV421	Biolegend	103240
Rat anti human/mouse B220	RA3-6B2	PE-CF594	BD	562290
Rat anti human/mouse B220	RA3-6B2	AF700	Biolegend	109822
Rat anti human/mouse B220	RA3-6B2	AF647	Biolegend	103226
Rat anti human/mouse B220	RA3-6B2	PE	Biolegend	103208
Rat anti mouse CD4	RM4-5	AF488	Biolegend	100529
Rat anti mouse CD4	RM4-5	e450	Ebioscience	48-0042-82
Rat anti mouse CD4	RM4-5	BV785	Biolegend	100552
Rat anti mouse CD4	RM4-5	BV421	Biolegend	100544
Rat anti mouse CD4	RM4-5	AF647	Biolegend	100530
Rat anti mouse CD4	RM4-5	APC	Biolegend	100516
Rat anti mouse CD4	RM4-5	BV650	Biolegend	100545
Rat anti mouse CD3	17A2	AF700	Biolegend	100216
Rat anti mouse CD3	17A2	BV785	Biolegend	100232
Rat anti human/mouse CD44	IM7	APC	Biolegend	103012
Rat anti mouse CD62L	MEL-14	PE	Biolegend	104408
Mouse anti mouse CD45.2	104	AF700	Biolegend	109822
Mouse anti mouse CD45.2	104	FITC	Biolegend	109816
Mouse anti mouse CD45.2	104	PE	Biolegend	109808
Mouse anti mouse CD45.2	104	BV421	Biolegend	109832
Mouse anti mouse CD45.2	104	APC	Biolegend	109814
Mouse anti mouse CD45.2	104	AF647	Biolegend	109818
Rat anti mouse CD8	53-6.7	BV785	Biolegend	100750
Rat anti mouse CD8	53-6.7	BV711	Biolegend	100748
Rat anti mouse CD19	6D5	BV421	Biolegend	115538
Mouse anti mouse NK1.1	PK136	Percp	Biolegend	108726
Mouse anti mouse NK1.1	PK136	AF647	Biolegend	108418
Rat anti mouse Gr1	RB6-8C6	AF488	Biolegend	108417
Rat anti mouse Gr1	RB6-8C6	BV605	Biolegend	108440
Rat anti mouse F4/80	BM8	PE.Cy7	Biolegend	123114
Rat anti mouse F4/80	BM8	Percp.Cy5.5	Biolegend	123128
Rat anti mouse CD11b	M1/70	PE.Cy7	Biolegend	101216
Hamster anti mouse CD11c	N418	PE-Dazzle 594	Biolegend	117348
Hamster anti mouse CD11c	N418	BV421	Biolegend	117330
Donkey anti mouse IgM (Fab'2) µ chain specific	Polyclonal	Unconjugated	Jackson Immuno research	715-006-020
Hamster anti mouse CD3	145-2C11	Unconjugated	Biolegend	100331
Hamster anti mouse CD28	37.51	Unconjugated	Biolegend	102112
Rat anti mouse IL-4	1B11	Unconjugated	Biolegend	504108
Rat anti mouse IL-4	1B11	AF647	Biolegend	504110
Rat anti mouse IFN-γ	XMG1.2	PE	Biolegend	505808
Rat anti mouse CD16/32	93	Unconjugated	Biolegend	101302
Rat IgG2a isotype control	RTK2758	AF700	Biolegend	400528
Rat IgG2a isotype control	RTK2758	PE	Biolegend	400507
Rat IgG2a isotype control	RTK2758	BV421	Biolegend	400535
Rat IgG2a isotype control	RTK2758	AF488	Biolegend	400525
Rat IgG2a isotype control	RTK2758	AF647	Biolegend	400526

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