My malaria lab meeting 01/13/2022

October 21-22th, 2021

P4→CK→P→ P1 # 190

HEU: D17 γδ CBMC panels #3

D14(mean) 1:50 <1.27

	Specimen	Status	Date	Conc	Tasks	Volume ~Approx	Lymphocytes		Total	.66E+6	1E+6	.5E+6
400c µl	Inf305-8	IL-2				7 ml	4.9	2.5 E6		264 µl	400 µl	
330c µl		Zol				7 ml	4.6	2.3 E6		287 µl		217 µl
350c µl		BCG				6.9	5.3	2.7 E6		244 µl		185 µl
430c µl	Inf229-3	IL-2	3 Months Antibiotic			7	3.98	2 E6		330 µl	500 µl	
400c µl		Zol				7	3.96	2 E6		330 µl		250 µl
350c µl		BCG*			maybe dead?	7	2.2	1.1 E6		600 µl		455 µl
430c µl	Inf314-8	IL-2				7	3.8	1.9 E6		316 µl	526 µl	
500c µl		Zol				7	3.89	2 E6		330 µl		250 µl
540c µl		BCG				6.8	4.86	2.4 E6		275 µl		208 µl
430c µl	ND050	Adult Zol				3.2	7.04	3.5 E6				÷43 = 115 µl

	Expanded Gd-p4b	Surface µL	x9.5	Intra µL	x9.5
BV421	PD1*	2	19		
BV510	Aqua L/D	1:500			
BV650	CD56*	1.8	17.1		
Alexa 488 (FITC)	Perforin (dG9)	-	-	3	28.5
PerCPeF710	CD3	1.5	14.3		
PE	-	-	-	-	
PE Dazzle					
PE Vio770	NKG2A	0.6	5.7		
APC	Vδ2	1	9.5		
APC Fire750	CD16	1	9.5		
20.5 µl/rxn;	PBS	12.6	119.7	17.5	166.3

	Expanded Gd-CK PMA	Surface µL	x9.5	Intra µL	x9.5
BV421	PD1	2	19		
BV510	Aqua L/D	1:500			
BV650	CD56	1.5	14.3		
FITC	CD107a	<3 µL added separately>			
PerCPeF710	TNFα			2	19
PE	Vδ2	1	9.5		
PE Dazzle					
PE Vio770	IFNγ	-	-	0.6	5.7
Alexa 647 (APC)	CD27	1.5	14.3	0	
APC Fire750	CD45RO	1.8	17.1		
20.5 µl/rxn;	PBS	12.7	120.7	17.9	170

	Expanded Gd-p1	Surface µL	x 9.5
V450 BV421	PD1	2	19
V525 BV510	Aqua L/D	1:500	
V670 BV650	CD16	1.5	14.3
B530 FITC	Vδ2	1.2	11.4
B710 PerCPeF710	CD25	2	19
Y590 PE	CD28	2	19
Y615 PE Dazzle	CD27	1.5	14.3
Y780 PE Vio770	CD3	0.5	4.8
R670 APC	Vδ1	1	9.5
R780 APCFire750	CD45RA	1.8	17.1
20.5 µl/rxn;	PBS	7	66.5

	Expanded Gd-p2	Surface µL	x 9.5	Intra µL	x 9.5
BV421	Vδ2	1	9.5		
BV510	CD3	1.5	14.3		
BV650	NKG2D	2	19		
	Streptavidin	{1.5}	14.2	{19}	180.5
Alexa 488 (FITC)	dg9	-		3	28.5
PerCPeF710	CD56	1	9.5		
PE	PD1	1.5	14.3		
PE Dazzle					
PE Vio770	NKG2A	0.6	5.7		
APC	Vδ1	1	9.5		
APC Fire750	Horizon L/D	1:1000			
20.5 µl/rxn;	PBS	11.9	113	17.5	166.3

Used H2O in perm wash (rand #2)

Count 10:20 AM
Int @ 12:14 pm
L/D @ 1:53 pm
Sds @ 2:02 pm → 2:17
Sds spin @ 2:16
Cells frozen @ 2:19 pm
2:41 surface & sds done
Int @ 3:25
CytFix @ 3:56
Tot Perm @ 4:18
Intra @ 4:43
Ab/perm done @ 5:39 pm

Cell process @ 6:21
Cell spin @ 6:46
W/D @ 8:56 → 9:11
cell Surface @ 7:29
T.x Perm @ 8:05 pm

Intra @ 20:50

Done @ 9:46 pm

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TCR plate notes:

Correctly spun down every time ✓

drew up volume + used 200 µl

~ 10 µl - 20 µl left/tube (hopefully doesn't get beads)

~ added 330 µl (instead 310) of media + buffer

~ aliquoted 100 µl accordingly & spun down & % viability as a result?