HEU: Innate-like T cell Panels Ex-vivo MAIT & NKT tetramer dilutions

Tetramer Higuots:

Large brown bug spilled, need to autoclave. used 3 of those for hoold ARC, and File, sho was Az

All @ 30pt aliquets past this point, For MRI-ORBO E.te/APC, moved ropt from 1/3 to

MRI OPERU 15 mg/ml. Fite Mont MRICPRU 1.5 m/m tec M121-FP 1,5 mg/m Fite 2(1+1) core + 2(1+1) sep MRI-FP 1.5mg/ml APC hoofd 57 PBS 1.6 mg/m F.te hood pass? 1.6mg/m APL 14 32 12 Fite 1.6mg/ml hoold solo ×1.5 K1.5 <1.5 hoold solo 1.6mg/ml APC 36M 48M 18M 1.5 46 1.5 pg 1pl 100 pl - 1:100 1:200 1:500 Post tetraminad mas 12+12 08/05/2021 / Face-Mask MATTER being remardeded stating bourners. APC Solo 1500 I doesn't exist in LSR-IT (David-Roch)
Downd, 34 Roch MaitRu 1:200 1:500 1:10000 13000

Compensation Los:

Titrate down File OD8?

	Specimen	Status	Location	Conc	Date	Tasks	Volume	Ly	TxtM	T-4-1	1 80.0	Back
14	NDOS			ISE 4	03/31/21		3		Ly+M 5.2E4	Total	1. <b>6</b> E+6	2E+6
P	NO050B			ISE6	03/3/21		3		5.2 E (			वेंड्रा
1	NDUSO C			1566	03/3/21		3	3.47E4		10.40	1	26 Fl
												,
			Now o	ut of 1	V D050	PBM Cs 11						

Reference – Actual MAITs

	Ex vivo MAIT-p1a	Surf µL	ace x
V450 BV421	Va7.2	2	
V525 BV510	Aqua L/D	1:500	
V670 BV650	Strep OD26	4	
B530 FITC	cou	1.6	
B710 PerCPeF710	CD45RA	2	
Y590 PE	CD161	0.5	
Y615 PE Dazzle			
Y780 PE Vio770	CD3	0.5	
R670 APC			
R780 APCFire750	CD8	1.5	
20.5 μl/rxn;	PBS	12.7	

	<i>O</i> 5	2	
141	-> 9	cl PBs=	10/1
	2×8	15 20	300 - 200 pl
+		£	C. A.S. S.

50 N 70 N after demp blot

1:500 1:1000

1.200

Tetramer Test A1	Ex vivo MAIT-tet	Sur µL	face
V450 BV421	CD4	1.8	23.H
V525 BV510	Aqua L/D	1:500	· · · ·
V670 BV650		-	_
B530 Alexa488 (FITC)	(3) Te	etramer (	(1,2,5)
B710 PerCPeF710	CD45RA	2	26
Y590 PE	CD161	0.5	6.5
Y615 PE Dazzle			0.5
Y780 PE Vio770	CD3	0.5	6.5
R670 APC			
R780 APCFire750	CD8	1.5	19.5
20.5 μl/rxn;	PBS	4	1456

Tetramer Test B1	Ex vivo MAIT-tet	Sur µL	face x  3
V450 BV421			_
V525 BV510	Aqua L/D	1:500	-
V670 BV650	-	-	-
B530 FITC	CD4	1.8	23.4
B710 PerCPeF710	CD45RA	2	26
Y590 PE	CD161	0.5	6.5
Y615 PE Dazzle			
Y780 PE Vio770	CD3	0.5	6.5
R670 APC	(3) Te	tramer(	1,2,51
R780 APCFire750	CD8	1.5	145
20.5 μl/rxn;	PBS	11.2	145.4

Thow start@H:10pm 45 stain @ H:44 count@5:00 pm

29.4 million cells 25 SOCIM, nd 1.5M 34.4 Ses:

Cells Spine 5:28 pm L/De 5:48 pm Sois @ 5:50 pm

625 and Tels (\$1 =637 A 640-> ACDID sdo 1:500, 1:1000 Therton do

Same thing cold-57 Apr 1. 200 8 Apr Solo 1200

6:50 pm Ugh .... Shitt ....

16:45 + 20 = 7:05pm/

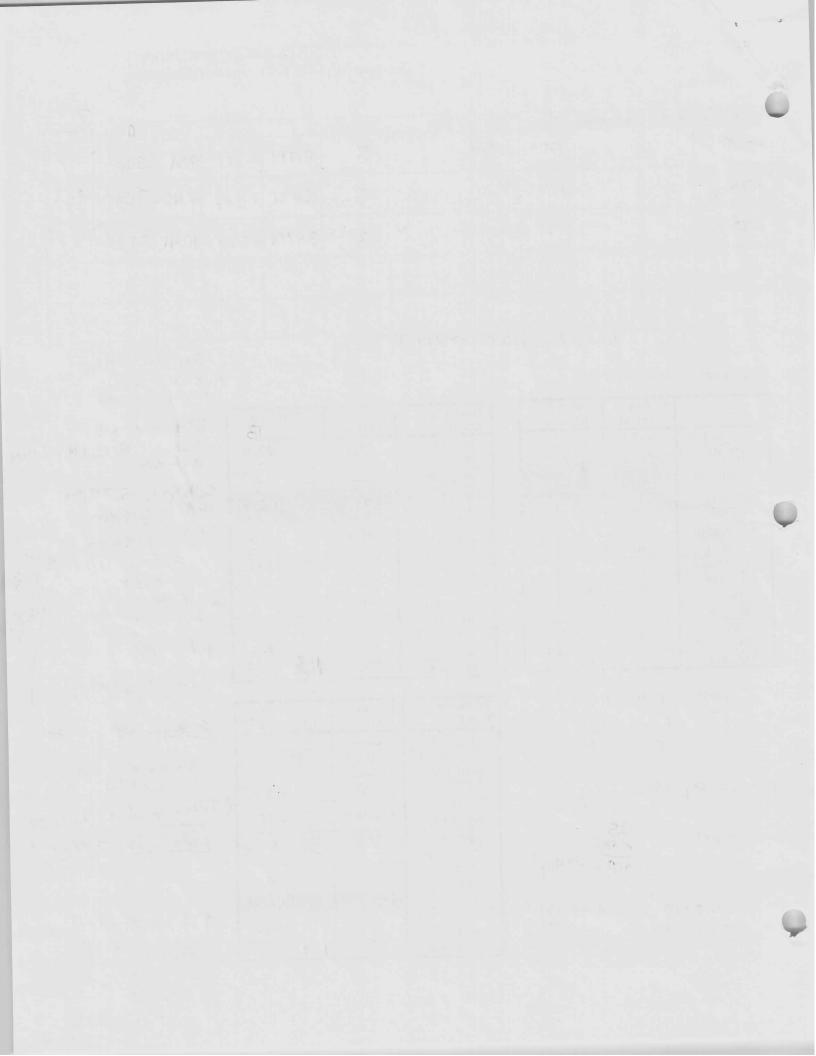
Done (2 7:36 pm)

Tet: 6:25 -> 6:37 ) 1

25 min 6: =0 (5 min)
+17 7:07 +17

412 min 30 min
+14 mintes for

4 motions takes



### Concurrent Staining (20 minutes, 4\*C)

Tetramer Test A1	Ex vivo MAIT-tet	Sur µL	face X
V450 BV421	CD4	1.8	
V525 BV510	Aqua L/D	1:500	
V670 BV650			
B530 Alexa488	COED		
(FITC)	COP-RE		
B710	CD45B4	2	
PerCPeF710	CD45RA	2	
Y590 PE	CD161	0.5	
Y615 PE Dazzle			
Y780 PE	CD2	0.5	
Vio770	CD3	0.5	
R670 APC			
R780	CDe	1 5	
APCFire750	CD8	1.5	1
20.5 μl/rxn;	PBS		

Tetramer Test B1	Ex vivo MAIT-tet	Sur µL	face
V450 BV421		1	
V525 BV510	Aqua L/D	1:500	
V670 BV650			
B530 FITC	CD4	1.8	
B710 PerCPeF710	CD45RA	2	
Y590 PE	CD161	0.5	
Y615 PE Dazzle			
Y780 PE Vio770	CD3	0.5	
R670 APC	6FP/ 5OP-RU		
R780 APCFire750	CD8	1.5	
20.5 μl/rxn;	PBS		

# Separate Staining (30 minutes tetramer RT, 20 minutes 4\*C) (postponed)

Tetramer Test A2	Ex vivo MAIT-tet		face
V450 BV421	The state of the s	μL	X
	CD4	1.8	
V525 BV510	Aqua L/D	1:500	/
V670 BV650			/
B530 Alexa488	6FP/		
(FITC)	5OP-RU		
B710	GF 115	/.	
PerCPeF710	CD45RA	2	
Y590 PE	CD161	0.5	
Y615 PE Dazzle			
Y780 PE	/ crps	0.7	
Vio770	CD3	0.5	
R670 APC			
R780/	CD 0		
APCFire750	CD8	1.5	
20,5 μl/rxn;	PBS		

Tetramer Test B2	Ex vivo MAIT-tet	Sur µL	face		
V450 BV421			7		
V525 BV510	Aqua L/D	1:500			
V670 BV650		/			
B530 FITC	CD4 /	1.8			
B710 PerCPeF710	CD45RA	2			
Y590 PE	ÇD161	0.5			
Y615 PE Dazzle					
Y780 PE Vio770	CD3	0.5			
R670 APC	6FP/ 5OP-RU				
R780 APCFire750	CD8	1.5			
/ 20.5 μl/rxn;	PBS				

## Compensation Notes:

MAIT APE OF- RU bolls great after compensation

\* Hetromes blocking cD8? (us cD46RAD)

- CD3 blobs vs cD45RA

to hoold between 50 blob. uplaced @8? (not happening with OP-RU)

### Concurrent Staining (20 minutes, 4\*C)

Tetramer Test A1	Ex vivo NKT-tet	Sur µL	face x
V450 BV421	CD4	1.8	
V525 BV510	Aqua L/D	1:500	
V670 BV650	'a alik a		
B530 FITC	hCD1d	Ò	
B710 PerCPeF710	CD45RA	2	
Y590 PE	CD161	0.5	
Y615 PE Dazzle			
Y780 PE Vio770	CD3	0.5	4
R670 APC			
R780 APCFire750	CD8	1.5	2
20.5 μl/rxn;	PBS		

Tetramer Test B1	Ex vivo NKT-tet	Sui µL	rface x
V450 BV421			
V525 BV510	Aqua L/D	1:500	
V670 BV650			148
B530 FITC	CD4	1.8	
B710 PerCPeF710	CD45RA	2	
Y590 PE	CD161	0.5	
Y615 PE Dazzle			
Y780 PE Vio770	CD3	0.5	Last T
R670 APC	hCD1d/s	do	
R780 APCFire750	CD8	1.5	
20.5 μl/rxn;	PBS		

## Separate Staining (30 minutes tetramer RT, 20 minutes 4\*C) postponed//

Separate Test A2	Ex vivo NKT-tet	Sur µL	face x
V450 BV421	CD4	1.8	
V525 BV510	Aqua L/D	1:500	/
V670 BV650			
B530 FITC	hCD1d	/	
B710	CD45D4	/2	
PerCPeF710	CD45RA	/2	
Y590 PE	CD161/	0.5	
Y615 PE Dazzle			
Y780 PE	(CD2	0.5	
Vio770	CD3	0.5	
R670 APC			
R780 APCFire750	CD8	1.5	
20.5 μl/rxn;	PBS		

Separate Test B2	Ex vivo NKT-tet	Surface µL x
V450 BV421		
V525 BV510	Aqua L/D	1:500
V670 BV650		
B530 FITC	CD4	1.8
B710 PerCPeF710	CD45RA	2
Y590 PE	CD161	0.5
Y615 PE Dazzle		
Y780 PE Vio770	CD3	0.5
R670 APC	hCD1d	
R780 APCFire750	CD8	1.5
20.5 μl/rxn;	PBS	

- gate ranks gate resolters took a 35 whates - compensation relatively clear, BW121/510 I degree overlap Kis directly on 4590 aucided the outer edge of histogram (redecoutoforescene). - Storted running Mart PIn @ 10:30, clean. - spilling intake Phid \* Instituting a 5 minter outoff #/ FAR MATISOR-RUMRA STAIL WORKS POP. \* I concentration doesn't seem to be effectively but nonspecific specific is gone. 90 +11:16/ GFP moved FSC back from 570 -> 560 1:00 messy, 1:500 clear. Th set of co3? NKT height looks better us offer one. [Increase to 6 minutes run time]
1:500 lot better... Tto characterize the population bether LRC70 is compensation Alternate gating strategy? noold sole 1:500 messy. better, but not quite @ 1:200 / pretty scrandrad bout at this 1/ Zebra rantous - I minches ends to differentiale. sherlening to 3 minutes. I does seem to be a thereInol caracter \* APC- GFP APC cold coy trail.... Concerning . \* dbf 1:100 ran out of pressure, still sheathe fluid inside, just not acquiring (or I forgot certex?) Dove @ 12:55 pm

LSR-II (a).