Instrugen
Nation
FoxP3 Staining vs Fix Pern

C	G()		T ===								
Specimen	Status	Location	Conc	Date	Tasks	Volume	Ly 5.35	Ly+Mon	Total	2E+6	.3E+6
ND006	Adultain min		15E+5	03-04-4		2	MARI	6.71	10.7	-	5:
ND 006	Adultan		15E+6	03-0421		2	6.13	7.59	12.26	3	
	wh yet						0,12	7.51	23.0m		
									23.0m		
						4	5.74	7.15		Ø.348H	L
		_				S	H-60	5.72		Ø.434,	65 pl
3:56 g	e 2:24 Done e om cells	pm 3.19 pm	@ q'= >3:50	Pm 0	\$ 5 A	FARM CAN CHO Shirt EARD CAT FAR FAR TOGE TOGE	for 6 am Sc am Sc Trul3 Frul3 string s		Conillic	Unstain On On cells	3 M n 5 colo74 Gr O Sc
Lnoti	deal,	but lot	nto f	ospin Pridge to deal	with]	29 cdors 2 2 58 sc5	77 4	NA (SES	50101 E.G.	SEB	CO107
Srom .	nstauned	read op	had had	to falke	-50-1	6x.3=	23.00	M CO	51) (FOXP3	434
Also real Plunning to cose the totse's es	spike in	0.5H (in the	te for Parish the former lies	so yeah	52 2.3	di Anguaran di Antonio di Antonio	es	2M/500		47
Eschol &	55000	32pm -> 5:49pm	5:47		FBS: 6	434 pl +	4 e sich	at 66 pl R1	NI SE	B+ 11	ul stop
53/54 59 00			36 Nel		1	3268 3 mls	2 tube	es actival	hd SET	3 50's	u unstat
Samples Ran at		2.00	1200 pl	que	34. (T	16 52 m/s/1 34 621		2 san	femal oples	6mls	5% FBS-17

Sds -> staned ~ 6:16 pm ses in FBs wash post RBChse Samples into 372 stain @ 6:20pa -> 6:50 pm/ Streptandin /) streptanden se's => 6:50pm/ > Fixed/Permer @ 7-7:18/7:200 6:37 Fox - 6:40 -> 50. 757:00 643 -> 53-> 03-> 13 Pem Wash spin 1 7:07 pm = 7:13 pm 2nd wash @ 7:31 pm Mue wash 2 ad @ _ Rbc Ysolo 7:37 Must cold needs it's final nelear mady samples need streptanden. Samples streptandon @ 7:47 pm -> 8:02 pm Sample streptanida sprn@ 8:04pm 3:56 pm cells out. Sc intracellular @ 8:18 pm Sample Fixes @ 8.21pm -> 31-> 41 (FixPerm) 5c's 1st wash poststan @ 9:00 > 51 (Nucker) last aucher much pre-ration for samples) Samples Ha @ 9:09-79:49 Pm Final SC Spin @ [9:15pm] Se's away @ 9:34 pm 15 mash @ 9.50 pm 2nd rosh @ 9:58 pm V Done @ 10:51

	60.7			60.9		2	/sample	sa/sa		19.5	Pippette draw volume /sample					
100	50		100	50 1	100	So	5	Disports dan		20.5				in a second	STATE OF THE STATE	
29.4	14.7		8.67		30	100 100				30 5	R10 Media			20	INED CONTRO	And HINST
-				ľ	36	0.000	otal	Antibody Total		0.0	Antibody Total					
					3.2						(НІТ2)	CD38	APC/Fire 810		₹8	23
					4	2					(0323)	CD27	APC/Fire 750	ESE LISE	2	20
								<1:2500>				L/D	Zombie NIR		2 8	27
2.4	2.4								######	<3>	(H4A3)	CD107a	APC-R700		4	97
	17	-									(MQ1-	IL2	Alexa Fluor 647	A	2 2	3 0
			100		2.4	1.2					(A1)	CD39	APC		3 2	25
U	2.3		16	0.8							(L243)	HLA-DR	PE-vio770		ET3	2 0
0.5	0.25		1								(MAB11)	TNFa	PerCP-Cy5.5		OTB	2
	2		2 4	10							(M-A251)	CD25	PE-Cy5		00	2 2
0.0	0,23	_			2.4	1.2					(M-A261)	CD26	PE-CF594		80	21 20
0.5	35.0		2.4								(EH12.2H7	PD-1	PE		04	3 5
0 0	0.75		2.4	1.2						-	(SK7)	CD3	Spark blue 550	<i>y</i>	DA.	10
00	4 2											FOXP3/Vd1	HIIC		5	18
	12.0				3	1.5					(11A9)	CCR6	BV/86		Ra S	17
	1.5										(827)	BNHI	BV /50		VIS	16
0.5	0.25		2.4	1.2							(3C10)	Va/.2	BV/TI		V14	15
-	0.5		0		ω	1.5					(G043H7)	CCK/	DVOOD		V13	14
1	0.5				ر.	2.5				ľ	(DZ3ZD4)	CONT	BNGEO		V11	13
				53					1		(135304)	CYCRE	RV605	Men ST	V10	12
			1.4	0.7						1	1		BV570			
		85								-	(Hi100)	CD45RA	BV510		Y7	E
2	1	ep	Strep				1.5				(REA631)	CD161 - Biotin	BV480		V5	10
			4	2.0							(HIB19)	CD19	Pacific Blue		1	
,			4	2.0						-	(M5E2)	CD14	Pacific Blue		¥ 5	
1 0.0	0.5				ω	1.5					(A019D5)	CD127	BV421		<u>ن</u> ا	ام
0,	0.75		ω	1.5				100			(SK3)	CD4	SORANG		V1	
_	0.5				5	2.5					(1C6/CXCR3)	CXCR3	BUV737		IIV16	7
,			1.4	0.7							(B6)	Vd2	TOOLUG			
-	0.5				5	2.5					(161)	CCK4	CTOAOG		UV11	5
1	0.5		1	0.5						-	(FN50)	CD69	BUVSOS		UV10	4
0.5	0.25		1.4	0.7							(RPA-T8)	CD8	BUV496		IIV9	w
										-		AF-UV6	AF		IIV7	2
			2.4	1.2						-	(DREG-56)	CDOZE	AF AF			
		erm									Clone Vial Lot #	Midiker	RIIVaac		UV2	1
2	Intra Mix RT for	4*Cfor then 15 min NuclearFix/P	2 4*(Surface 4oC for 30min	2	37oC for 30min	L/D RT RT for 10) 2 !! 2	stimIII		Make	Fluorochrome	Unmixing ctrl Single color (ul) Ref ctrl type name	Filter Sin	#
		RACIVED	8													

Notes: Need to resolve the what gets 37°C, what gets 4°C and what gets intracellular on Monday, can't be spiking two antibodies if avoidable for CD161....

Simplified Protocol

<Rest cells overnight in 6 well plate, 1E6/ml of R10>
Collect, count, aliquot cells 2.0E+6 Cells/ 5ml polystyrene tube Add golgi block, and incubate for <6> hours Cap and store incubator at 37*C for 2 two hours Add antigens, stim antibodies, and during stain antibodies in 500 ul R10

800 ul Live/Dead 1:2500 @RT for 15min // Wash 2 ml 5% PBS-FBS 1400 rpm, 6min

Wash with 2 ml PBS, 1300rpm, 8min

Wash 2 ml 5% PBS-FBS 1400 rpm, 6min Add hot Surface mix, incubate @37C for 30 min Add CD161 biotin antibody for 10 minutes at RT

Add 300-500ul 1x RBC Lysis for 3 minutes
Wash 2 ml 5% PBS-FBS 1500 rpm, 6min Add cold Surface mix, incubate @ 4C for 30min

1 ml Nuclear FixPerm, incubate @ 4C for 30m in

2 ml NuclearWash 1500 rpm 6 min 2 ml NuclearWash 1500 rpm 6 min (vortex every 10 minutes)

Second Perm Wash: First PermWash:

First PermWash: Add Intracellular Stain, incubate @ RT for 40m in 2 ml NuclearWash 1500 rpm 6 min

Second Perm Wash:

2 ml NuclearWash 1500 rpm 6 min

Resuspend in 100 ul 0.4% PFA-PBS Cap tubes, wrap rack in foil, store at 4*C

> Not the LSR-IT

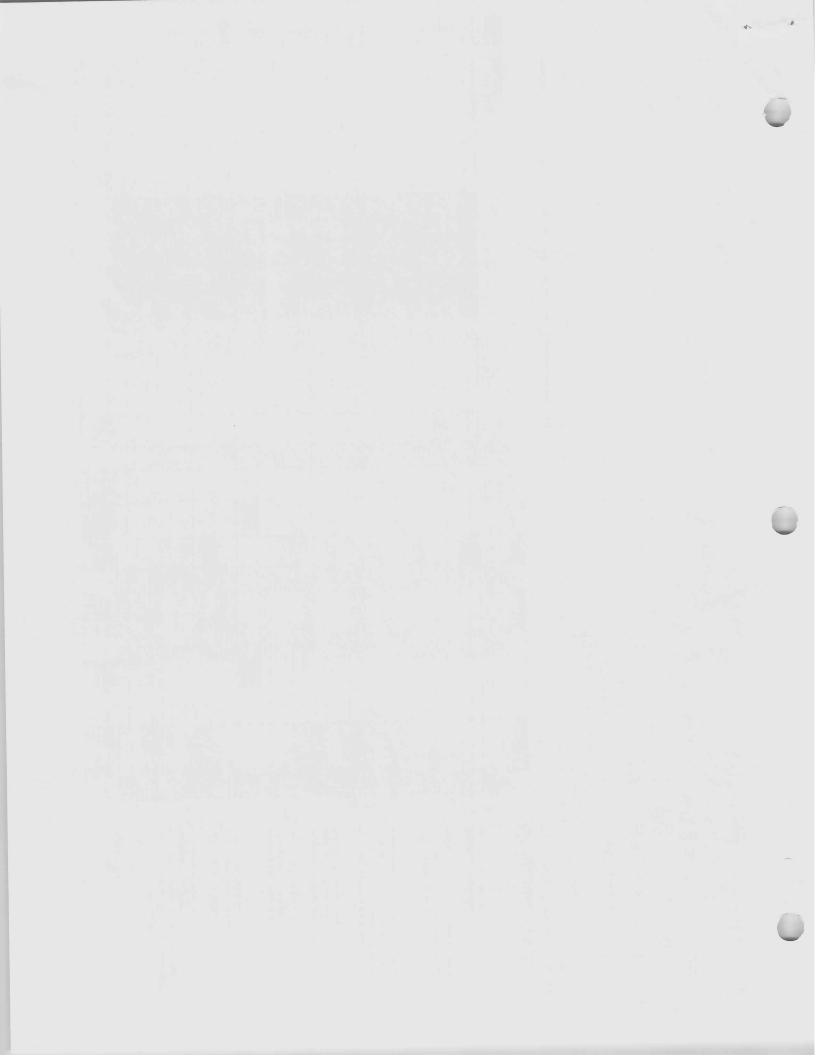
New issues Bioton CD161 RFA631 or 14P-3610

CD62L

SK11 or 80

- Superant in etilus stim?

Lesting or



AB T cell SFC Panel

				760														525		508			440	112	428	388	373	Spectrum
	0716		UV15		V14	>		UV13	UV12			Vii	UV10	<u></u>	0	5	8VU		UV7		DV6	UV5	UV4		UV3	UV2	UV1	
	COSAGG				UV14 BUV737							INTA DIVERT	BUV615		00000	DINECO			BUV496							BUV395		V
	[1]	:			<u> </u>						3	3	<u></u>		<u>[</u> 2	3			[2]							[2]		
	CD4				CXCR3			-					CCR4		CD69				CD8							CD62L		
	V16	<u> </u>	h		V14		į	V13	V12		V11		V10	%	8		\	6		V5 💠	< 4	\ 3	\S 2		Ś			
		700	BV796		BV750			RV711			00000	01/650	BV605		BV5/0	0.010	BV510			∨5 ★ BV480		PacBlue		17440	RV421			Violet
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		ככקס			IFNg			V27 2			CCR		CXCR5			001017	CD45BA			CD161		CD14/19		CD12/	CD137			
-	B14	B13		D 3		B11	<u>c</u>		Ro.	B8	B7	Ç	Bo	B5	B4	ŭ	3	B2		В1							1.	
		Pe-VIO//U	; 					. 0,00	PerCP-Cys s	PE-Cy5		1000	PE-CF594		PE	oparkblue 550	Spark Ding EEO	FITC										Blie
		[3]						2	3	[4.5]		3	4		4	[1]		[1.5]									1	
		HLA-DR						a living	TNE	CD25		0770	CD36		PD1	CD3		Vd1/FoxP3										
100	U 0	R7	R6			R5	R4	7.5	i	R ₂	R1																	
		APC-Fire 750	Zombie NIR				APC-R700		1,	1	APC	Į.		Z.	?	X	170										Rea	
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0000	3	CD27	5				CD107a		1	= -5	CD39			,	egad:	i		Alexon.	۷.									

11/25/2022

Universal Intracellular Mix = Biciscience FoxP3/TE Staining WilliseL 00-5523 (Invitrages / Thermo Fisher) Fox Peron Concentrate 4x 1:3 delvent BUAR 10x W H20 100H PeniBuff, 22 ml nash I m Fox P3 fix Pean 30 mmols 2 ml 1x (400-600 5 5 min)

2ml < 2

Acquisition - Aurora on @ 958 am

(moving my 2 Hadings files to badlup distifficated memory on Data: D)

Bailey is "using it for just an hour" sure, glancese waste tank that I left full earlier that afternoon.

A Running 50pl 140 @ 30 min mark, no cells in line. QC@ 10:36 am (Lot 2004) Important as Keeps gains set a spot/daily.

Fix Perm start@ 10:41 am. Unstrunds 2- at whatever time frame they were at Collecting 50 pl/ 50 7 V for this cound. (or 100,000 events/

SFB) Or moredished and

11:00 am (stop to fix samplerret names, Funp in correct collection amounts for samples that got extra cells) (unll need to just deplicate mo data to set need recreate Ac don't think we have enough VdZ's/*

... Did my SEB work? ... (did you vortex it?)... IFNy no Mah...

from CD45 RA looks like we are having some major AF at legs

SEB that facted, or was it since there exists FOXPS Dianning formand add stop of Stop (did add stop of) November 25th, 2022 FoxP3 Staining Va 7.2 Similar, lost in the bull? TNFa also lasts &, what happened SEB? le start! > If brighter signal is on did I add these abs? I thinkso.... a D cell pop, does it mother and the worder trues v ... Sight. if you faces exclusively on your Lymphogres are not no AF, they have it, I just swamped is monocyte leads.

Sespecially after aftere? YN OWN? HO i Since log scale how mayor is that split in pop? der moragles e vu debeko Clear no cytomes or & between tibes A Effect freeze Ahomed alls asome descandadona Particularly obvious single stam healthy

lossed membrane membrane membrane Hazz smother ewhats it like to spendall your career ind end up Putupor Soutup Treasure that

(Calt CO62L lots below margin excits // (Moreo agreedity) in an objecte technology? Tales codges opinouson Cigar a Contiflor is spectorial pers (god example ts 0038 First set done @ 12:19 (1:40 min) I aquirdent FOCKS @ 12:25: wow... Vastly different. Almost on but how does equiabent the threshold (250,000 ECDS brighter we the Fex P3 a higher AF badlgrand? look compressed/spread over a log? (Set sis act 50 pl volume) Not as easy as frestence I II you collect few events us more events on my revus) it an effect on the final color" signaline sent to the matrix? what does a decrease is FSC codes reflect? la decrease in internal cellular area //
from Fix Rom? 1055 cytesol # Licertain threshold %, to be visualized on spectral Ine?] * They all picked up CD107a stan from celture period, so year, ahologous

FoxP3 Staining

If we do go nuclear stain rate, we are going to need to alonge threshold, borely can gate on dead cells for its zonbe NIP SC.

(Snapping at mask before sample againston,

Sample acq @1:50 pm -> Fixed 1.5 M FSC-A.

Maniplating FSC gain to have pop in same spot, but obscuring A in proportion

¿ Do you want to spend real of your life country dear year afteryour - want to be up all night doing flow running cells? ... no.

Done @ 2:09 -> cleaning up

Unmaking 11/28/2022

FORPS = used so sustained for both advanced unstands to start.

Last CD38 expression

MYPBAC FNFA <

HH IC-2 AF647 (beads) RD107a

CCRY cappy

0.05 - 0.10

0.10 - 0.15

0.15-0.20

127/161

CKCR3

green /

yellow

orange/

red

my PBNCas wint for BHCa

No CKCR3 for FixPerm

127 mtrad

Matrix change of [0.05] as green atoff

40 40.29

C. 20 - O.38€ 0.30

0-30-0.35

0.30-0.50 black

¿Tag-on what?

- 20 horal hand 21 21 -

MYT 2:15 AM

Tuesday wednesday Jenn 16 pm

Tuesday wednesday Jenn 16 pm

Wichinsday Am Thursday AM

MA Habesu T

107 SI:01

mag

enderny