2023 II T 00

	Specimen	Status	Location	C	-		1	2023_	ILT_08	
1720 c.	Infaq2-7		Location	Conc	Date	Notes	Volume	Lym	Lym+Mon	Total
8 1510c.		TNGH	E	(n8m) <12,157		-	1.5	5.43	6.8	7 0 111
86/1	a-4	TN65	(7)	K12.19 7			1.5	6.11	7.73	
1060c.	Inf356-4	HEU-108)	717		
1050 C.		7034		(11.67	T bat	i property		7.27	11.12	_
60 M	a-2	5030	(a)	(9.67			1	8.21	12.1	
301	Inf479-0 a-1	HEU-10 F T32L	(F)	C8297			2	8.04	10.8	
2011		TJZM	(0)	(6.77			2	10.3	13.7	
740G -	Inf 337-8	HEU-IN-Y -SVWI	2	22.87		•	- 1	3.91	5.19	
60/1		SVWO		13.157			1	6.14	8.79	
HOLY		adult of	3	15E6 5	(3/23		1	9.21	12.0	
1040 6.	ND 006	Walt 9	(1)	15E6 5	12/13		ſ	14.80	17.5	
5	itarte 1:20	pm	264 DG		505			00/0		

adrit @ 123 8m @ 139 @ 139 @ 2:09 @ 1:53 @ 2:15 @ C 2:10 @ 1:26 a

2.45pm stan for county 3:01 pm count

3:60 for algor

Incubation @4:25,000

9:53 reagent prop start

10:28 als went flying. Andle going be a long right.

Sample spin@ 10:36 L/0€ 10:52pa -> Abs prapade 11:04 pa Spin @11:10 se's alique ted Ollinga 5pin @11:24pm

Hobs @ 11:31 -700:01 SE V/De11:39 1615015@ 11:47pm Cold se's @ 11.55pm

telse coiez -> abs @ 32 - 1:02 am

TNDOSO PMA might not have gother CII? dose

000 0000 000 000 0000

Sib FixPerm @ 00147 > JE->02

1:12 am combined spin

1:26an Colds 756

1:34am 2nd se permuash spin

1:50 am Intra Scs. -> 2:30 am

RBe 1758 & 1:58 am

Spin @ 2:06 am

Somples FIXE 2:19 -> 29-39

1 st permuesho 2:43 am

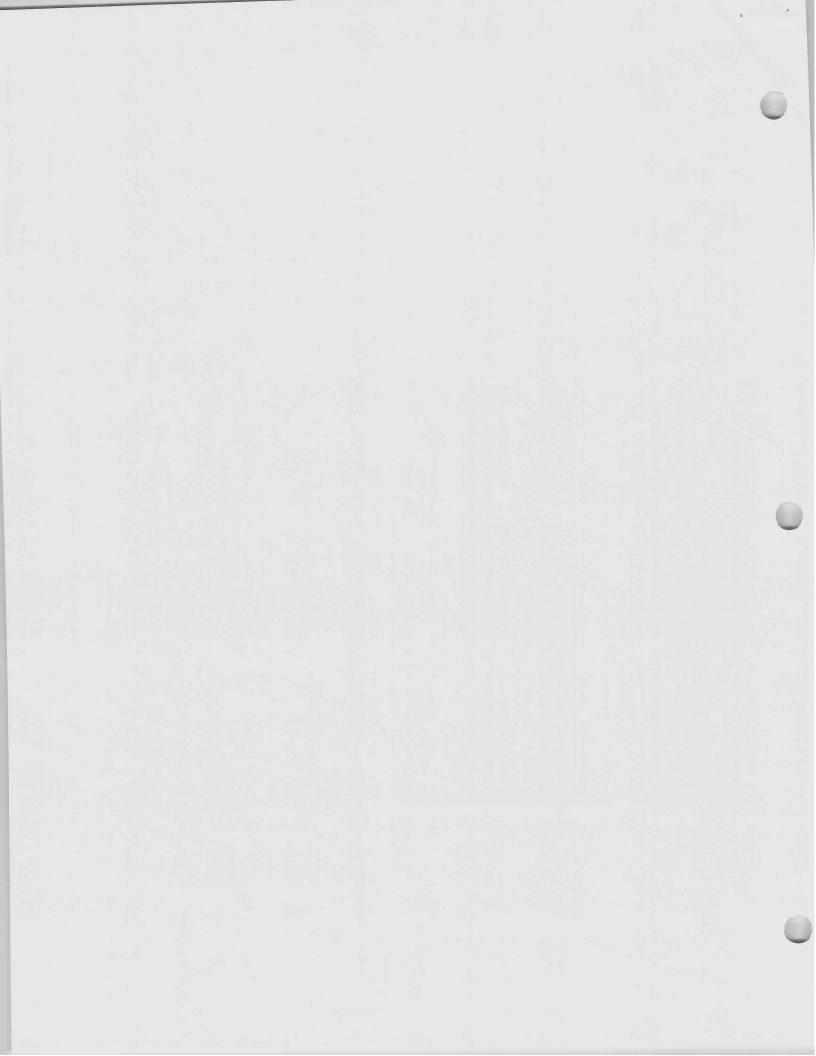
Ind @ 2:55 an

3:09 am Intracellular (oots)

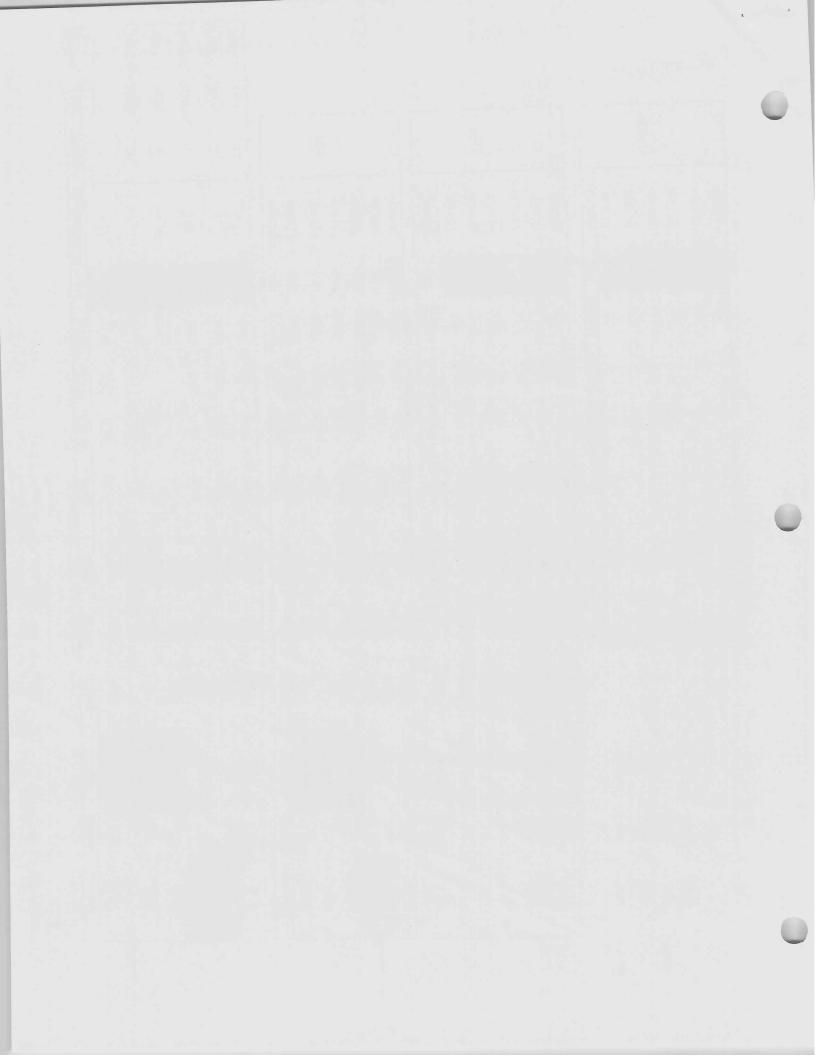
Final wash @ 3:49 an

Done @4:01 an

MOUNTE IN 100



																										ND006	ND050	INF387	INF479	INF356		INF692	Sample
Γ					2] [Г								1 !	14.8	9 21	10.65	36.68	15.48	17.51	17 21	Total
				CDIO/a					-				PMA								R10	!			F	-> F	_	2	4	2	ω	Volume	Valuma
NDOOD	NIDOOR	ND050	INF387	INF479	INF356	INF692	Sample		NDOOR	ND050	INF387	INF479	INF356	INF692	Sample		MDUUB	NDOSO	NDOEO	INIE207	NE479	INF356	INF692	Sample	14.80	9.21	, () (5.33	9.17	7.74	5.77	Concentration	
σ)	6	6	0	6	0	3M 2	r	၁ ၊	>	2	2	2	2	3M		0.80	0.6/	0.44	800	0.04	0.61	0.48	3M	0.20	0.33	0.00	0 26	0.33 E.S.	0.39	0.52		
5.5	1 (.υ	5.5	5.5	5.5	5.5	2.75M	1.00	2 1	1 &3	1.83	1.83	1.83	1.83	2.75M		0.730	0.617	0.400	0.616	0 0 0	0.733	0 439	2.75M	0.19		0.52) []	0.33 4000.30	0.36	0.48	2.75M	
5	(л	ഗ	G	U	5	2.5M	T.00	1.00	1 66	1.66	1.66	1.66	1.66	2.5M		0.664	0.562	0.364	0.560	0.510	0.400	0 400	2.5M	0.17	0.27	0.4/		0.27	0.32	0.43	2.5M	
4.5	;	ъ . п (4 5	4.5	4.5	4.5	2.25M	1.5	1.5	, i	1 i	7	1.5	1.5	2.25M		0.60	0.51	0.33	0.50	0.46	0.36	0.30	2.25M	0.15	0.24	0.42)	0.25	0.29	0.39	2.25M	
4	4	, 1	2 .	Δ	4	4	2.0M	1.32	1.32	1.32	1 22	1 23	1.32	1.32	2.0M		0.531	0.449	0.290	0.448	0.408	0.319		2.0M	0.14	0.22	0.38	1	0.22	0.26	0.35	2.0M	
3.5	3.5	0.0	J ()	ט נ	υ Λ	3.5	1.75M	1.16	1.16	1.16	1.16	1 H	1 16	1 16	1.75M		0.465	0.393	0.254	0.392	0.357	0.280	±./3 V	1 75M	0.12	0.19	0.33	0.	0 19	0.23	0.30	1.75M	
ω	ω	u	. u	 	υ —	ω .	л В	P	Ъ	Н	. ш	۰ ۲	→ ⊢	۵	1.5M		0.40	0.34	0.22	0.34	0.31	0.24	IAIC.T	1 EM	0.10	0.16	0.28	0.10	0 16	0.19	0.26	1.5M	
								0.83	0.83	0.83	0.83	0.83	0.83		1.25M		0.332	0.280	0.181	0.280	0.255	0.199	IAIC7.T	1 250	0.08	0.14	0.23	0.14	2	0.16	0.22	1.25M	
			ب	· -	د	Volume		0.66	0.66	0.66	0.66	U.66	0.66		1.0M	0.100	0.265	0.224	0.145	0.224 144	0.204	0.160	T.OIVI		0.07	0.11	0.19	041 140	2 1	0 13	0.17	1.0M	
			6.74	3.91	2 1	E E		0.5	0.5	0.5	0.5	0.5	0 .5		0.75M	0.1.0	0 20	0 17	0.11	0.17	0.15	0.12	0./5IVI		0.05	0.08	0.14	0.08		0 10	0.13	0.75M	
		10.65	6.74	3.91		Total		0.33	0.33	0.33	0.33	0.33	0.33		0.5M	0.1	0.133	0 113	0.073	0.112	0.102	0.080	0.5M		0.03	0.05	0.09	0.05	0 0	0 06	0.09	0.5M	461
			5.325) acias	Average		•																J [- XXXIII			1



Refamer Mix S AF488 hCD1d PBS-57 0.5 3 AF647 hMR1 5-OP-RU 2 12	Total and volume/sample: 19.5	Pignette draw volume 178	AF647 Va7 1.2 12	Va2dis18			And UNSTAINED CONTROLS !!!			29 R8	28 R7	27 RG		25 R2			21 B6	20 в4	19	18 83			1	14 VII		П	1	10 V5	× 5	9 0 V.		6 014		5 1V11	1	3 (1)/9		1 UV2	# Filter Single color (ul) Ref ctri Unmixing ctri name
		ſ		Zomb						APC/Fire 810	APC/Fire 750	APC-R700	17	APC	PE-vio770	PE-Cy5	PE-Dazzie 594	DE SOL	ParCP-Cus s			BV750	BV711	BV650	BV605	BV510	BV480	Pacific Blue	Pacific Blue	BV421	BUV805	BUV737	BUV661	BUV615	BUV563	BUV496	AF	8UV395	rl Fluorochrome
Tet/PBS			0.8	ie NIR		9	2	A	- Contract	CD38	L/D	CD107a	Va7.2/hMR1	CD16	PD1	CD25	TNEA	CD26	CD3	Va24/hCD1d	CCR6	IFNY	CD7	CCR7	CD56	CD45RA	CD161	CD 19	CD14	CD127	CD4	CXCR3	V82	CCR4	CD69	CD8	AF-UV6	CD62L	Marker
1 9 1 9		5.76	14.4	18	pper usaw volume /sample	poette draw volume	R10 Media	Antibody Total	71111	0323	N/A	H4A3	3C10	3G8	PD1.3.1.3	M-A251	1011	BA5b	SK7	6811	11A9	827	M-T701	G043H7	5 1411	Н100	HP-3G10	\$J25C1	MSE2	A019D5	CA3	1C6/CXCR3	86	161	FNSO	RPA-T8		SKII	Clone
2_18 2_18		6 20	15 PBS		sample																																		Vial Lot #
3_27		mbie	S		19.5		14.5	6.0				6.0																										1	During
] [2 2	Z	2	7	-	101	737	96				96	1	1																			1	T			T		16
	Number Surface SCs (29) Number Intracellular SCs	Number Unstained	ımber Samples		Pippette draw volume /sample		Brilliant Ct.	Antibody Total			<1:2500>	li	~	-						٨																	-	-	L/D 15 min
Total	5)				ne /sample			tal				Care forms	10/1 3						Jor love	<-10/1 5>																		min @ RT	Tetramer 40
	29				85	20			1.6	2					1,2		1.5			1.0	4 1		,]	1.0		2	,		1.5	1.5			2.0					30min @37C	HotStain
203 182.7	29	40	FBS RB			800	100	285	25.6	32			6	-	19.2		24			14	3	16	16	16		32			24	24			32					5	
7.8	000	4.0	RBC Lyse Fix		59.5	50.0	1	12.5						(1.5				7.4	1 3							0.7	2.0	2.0		Cu	1.3	No.		0.5	0.7		1.2	30min @4C	ColdStain
13.8	5.8	3.4				800	200.0	200.0					11.2	24.0	5	3		7.57	10.3			80			1	11 3	32.0	32.0		223	20.8	11.2		8.0	11.2		19.2	16	
166 149.4	58	50	Perm P																																			then Fix/Perm	RBC Lyse,
0.12 1.48	0.58	0.48	PFA		19.5	11	9.5	25 23								1.5		0.1			1.5		0.7							0.5		0.1		1				@RT	
						176	152							8.0	8.0	24.0	0.04	1.6			24.0		11.2	1.6			188			8.0		1.6	0000000	16.0				16	

Simplified Protocol

Thav cells, DNAss, count.

Collect, count, aliquot cells 2-3.0E+6 Cells R10 / 5ml polystyrene tube Bring volume up to "x" mL R10, add "y" µL PNA/Ctrl and "z" µL CD107a Cap and incubate at 37°C for 6 hours

Add HotStain mix, incubate @37C for 30 min Wash 2 ml 5% PBS-FBS 1400 rpm, 6 min

Wash with 2 ml PBS, spin down 1300rpm 8min 800 ul of LiveDead mix (1:2500) @RT for 15min Wash 2 ml 5% PBS-FBS, spin 1300 rpm, 8min

Add Tetramers, incubate @RT for 10 min Wash 2 ml 5% PBS-FBS 1400 rpm, 6 min

Add ColdStain mix, incubate @ 4C for 30min Add 300-500 ul 1x RBC Lysis for 3 minutes Wash 2 ml 5% PBS-FBS 1400 rpm, 6min

300 ul BD FixPerm, incubate @ 4C for 20min

(vortex every 10 minutes)

First PermWash: Second Perm Wash: 1 ml PermWash 1500 rpm 6 min 1 ml PermWash 1500 rpm 6 min

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

Resuspend in 70 ul 0.4% PFA-PBS

Cap tubes, wrap rack in foil, store at 4°C

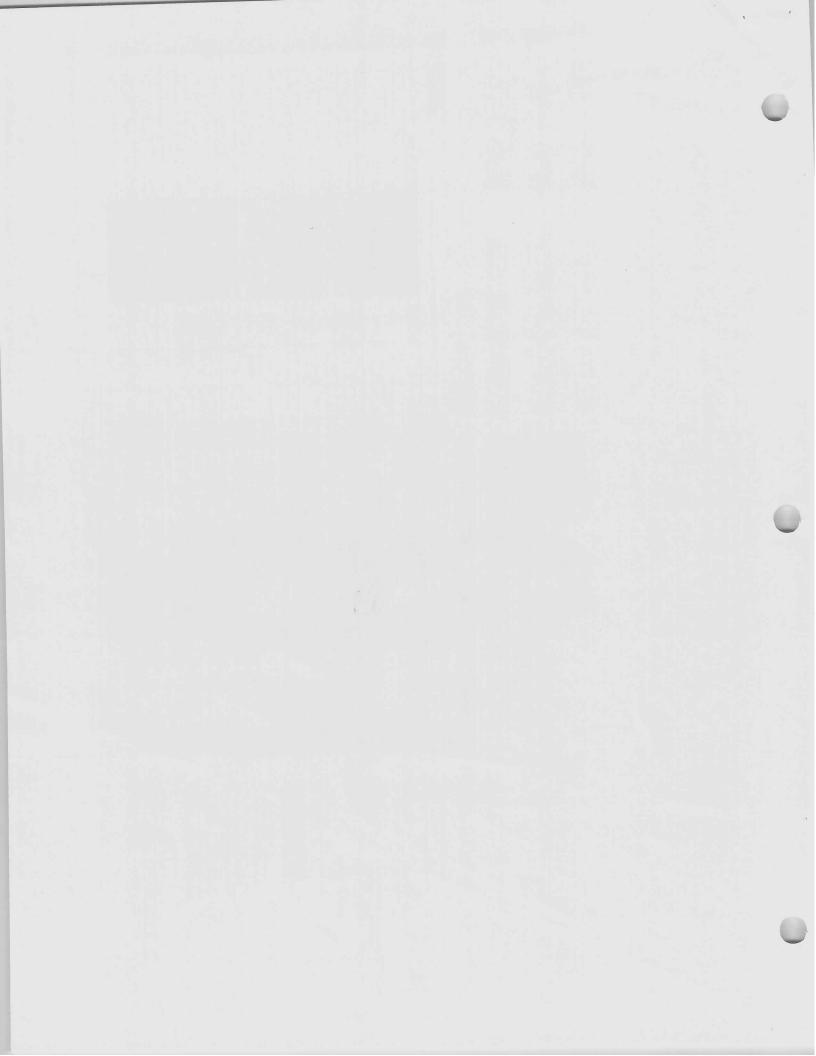
PFA 0.148 PBS 1.332 FBS 101.5 PBS 101.5

Perm Water
 RBC
 0.78

 Water
 7.02

16.6 149

AF488 hCD1d Unloaded
AF647 hMR1 6-FP



783	750 760	697 717	66.	59	5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	52	4.4	4.4	ပ္က	v pe	
UV15	UV14	UV12	4 UV11			5 4 &	0 3 UV6			ĮΞ	-
6 BUV805	⁴ BUV737	ω Ν	BUV615			√7 BUV496	V6 AF	UV3	UV2 BUV395	5	ILT & NK SFC Panel
1501	140		1 5	ن د چ		659			95	L	C Pan
CD4	CXCR3		CCR4 V82			CD8			CD62L		9
V15	V14	V12 V13	V10	§ §	5 6	Y 5	£ 5 ;	5 5		Н	
BV786	BV750	BV711	BV605 BV650	BV570	BV510	BV480	PacBlue	BV421		Violet	
150	9	55	102		ß	(55)	155	7		\dashv	
CCR6		CD7	CD56 CCR7		CD45RA	CD161	CD14/19	CD127			
B12 B13	B11		B6 B7		B2	B1					
		PerCP-Cy5.5		-	FITC/AF488 SparkBlue 550					Blue	
		[45]							\exists		
		CD26		0	Va24/hCD1d						
YG9		YG5	YG3	YG1						1	
Pe-Vio770		PE-Cy5	PE-Dazzle594	PE					rellow-Green		
[66]		Ē	1601	TS4					1		
PD1		CD25	TNFα	NKG2D							
R6 R7	R R	73 72 <u>7</u>	2							1	
Zombie NIR APC-Fire 750	APC-R700	AF647	80						Red		
E B	3	d		House							
Viability CD27	CD107a	Vα7.2/hMR1									

