

Supplementary Table S1: Flow Cytometry Panels

Staining panel	Antigen/Ligand	Clone	Fluorochrome	Species	Manufacturer	Nationality
Major and TCR $\gamma\delta$ T lymphocyte subpopulation memory-naïve phenotype	CD45RA	HI100	FITC	mouse	Biolegend	California
	TCR Vd2	B6	PE	mouse	BD Pharmingen	California
	CCR7 (CD197)	G043H7	PerCP Cy5.5	mouse	BD Pharmingen	California
	CD8	SK1	PE Cy7	mouse	BD Pharmingen	California
	CD4	L200	APC	mouse	BD Pharmingen	California
	CD3	SK7	APC H7	mouse	BD Pharmingen	California
Treg frequency	CD4	RPA-T4	FITC	mouse	BD Pharmingen	California
	Foxp3	PCH101	PE	rat	e-Bioscience	Massachusetts
	CD3	SP34-2	PerCP Cy5.5	mouse	BD Pharmingen	California
	CD25	M-A251	PE Cy7	mouse	BD Pharmingen	California
	CD127	HIL-7R-M21	Alexa Fluor 647	mouse	BD Pharmingen	California
	Dead cells	NA	nIR	NA	Molecular Probes	Oregon
Total CD8+ cell and MART-1+ CD8+ cell functionality	CD107a	H4A3	FITC	mouse	BD Pharmingen	California
	MART-1 Tetramer	NA	PE	NA	Beckman Coulter	California
	TNF- α	Mab11	PerCP Cy5.5	mouse	e-Bioscience	Massachusetts
	IFN- γ	B27	PE Cy7	mouse	BD Pharmingen	California
	IL-2	MQ1-17H12	APC	rat	BD Pharmingen	California
	CD8	SK1	APC H7	mouse	BD Pharmingen	California
NK subpopulation and NKT cell phenotype and functionality	CD107a	H4A3	FITC	mouse	BD Pharmingen	California
	CD56	B159	PE	mouse	BD Pharmingen	California
	CD3	SP34-2	PerCP Cy5.5	mouse	BD Pharmingen	California
	IFN- γ	B27	PE Cy7	mouse	BD Pharmingen	California
	CD16	LNK16	Alexa Fluor 647	mouse	Serotec	California
	Dead cells	NA	nIR	NA	Molecular Probes	Oregon

**Major and TCR $\gamma\delta$ T lymphocyte
subpopulation memory-naïve phenotype**

Panel (46 variables)

parent population	Variable
Singlets	Lymphocytes
Lymphocytes	CD3+ TCR V δ 2+
CD3+	CD4+ CD8+ CD8hi CD4lo CD8lo CD4hi CD4CD8DN
CD3+	CD8+ MART+ CD8+ MART _{hi}
CD3+	CD45RA+ CCR7+ (N) CD45RA- CCR7+ (CM) CD45RA- CCR7- (EM) CD45RA+ CCR7- (EM)
TCR V δ 2+	CD45RA+ CCR7+ (N) CD45RA- CCR7+ (CM) CD45RA- CCR7- (EM) CD45RA+ CCR7- (EM)
CD4+	CD45RA+ CCR7+ (N) CD45RA- CCR7+ (CM) CD45RA- CCR7- (EM) CD45RA+ CCR7- (EM)
CD8+	CD45RA+ CCR7+ (N) CD45RA- CCR7+ (CM) CD45RA- CCR7- (EM) CD45RA+ CCR7- (EM)
CD8hi CD4lo	CD45RA+ CCR7+ (N) CD45RA- CCR7+ (CM) CD45RA- CCR7- (EM) CD45RA+ CCR7- (EM)
CD8lo CD4hi	CD45RA+ CCR7+ (N) CD45RA- CCR7+ (CM) CD45RA- CCR7- (EM) CD45RA+ CCR7- (EM)
CD4CD8DN	CD45RA+ CCR7+ (N) CD45RA- CCR7+ (CM) CD45RA- CCR7- (EM) CD45RA+ CCR7- (EM)
CD8MART+	CD45RA+ CCR7+ (N) CD45RA- CCR7+ (CM) CD45RA- CCR7- (EM) CD45RA+ CCR7- (EM)
CD8MART _{hi}	CD45RA+ CCR7+ (N) CD45RA- CCR7+ (CM) CD45RA- CCR7- (EM) CD45RA+ CCR7- (EM)

Supplementary Table S2

Treg frequency (4 variables)

parent population	Variable
Lymphocytes	FoxP3+ CD127- (Treg)
CD3+	FoxP3+ CD127- (Treg)
CD4+	FoxP3+ CD127- (Treg)
CD4+CD25hi	FoxP3+ CD127- (Treg)

Tetramer staining (3 variables)

parent population	Variable
	ex vivo MART-1 +
CD8+	in vitro MART-1 + in vitro NY-ESO-1 +

Supplementary Table S3

Total CD8+ and MART-1+CD8+ cell functionality (183 variables)

culture	parent population	Variable	culture	parent population	Variable	culture	parent population	Variable
	Singlets	Lymphocytes		Singlets	Lymphocytes		Singlets	Lymphocytes
	Lymphocytes	CD8+MART-1+ CD8+		Lymphocytes	CD8+MART-1+ CD8+		Lymphocytes	CD8+MART-1+ CD8+
NS	CD8+MART-1+	CD107a+ IFNg+ IL2+ TNFa+ CD107a- IFNg- IL2- TNFa- CD107a+IFNg+IL2+TNFa+ CD107a+IFNg+IL2+TNFa- CD107a+IFNg+IL2-TNFa+ CD107a+IFNg+IL2-TNFa- CD107a+IFNg-IL2+TNFa+ CD107a+IFNg-IL2+TNFa- CD107a+IFNg-IL2-TNFa+ CD107a+IFNg-IL2-TNFa- CD107a-IFNg+IL2+TNFa+ CD107a-IFNg+IL2+TNFa- CD107a-IFNg+IL2-TNFa+ CD107a-IFNg+IL2-TNFa- CD107a-IFNg-IL2+TNFa+ CD107a-IFNg-IL2+TNFa- CD107a-IFNg-IL2-TNFa+ CD107a-IFNg-IL2-TNFa- 4cytokine 3cytokine 2cytokine 1cytokine 0cytokine	MART-1	CD8+MART-1+	CD107a+ IFNg+ IL2+ TNFa+ CD107a- IFNg- IL2- TNFa- CD107a+IFNg+IL2+TNFa+ CD107a+IFNg+IL2+TNFa- CD107a+IFNg+IL2-TNFa+ CD107a+IFNg+IL2-TNFa- CD107a+IFNg-IL2+TNFa+ CD107a+IFNg-IL2+TNFa- CD107a+IFNg-IL2-TNFa+ CD107a+IFNg-IL2-TNFa- CD107a-IFNg+IL2+TNFa+ CD107a-IFNg+IL2+TNFa- CD107a-IFNg+IL2-TNFa+ CD107a-IFNg+IL2-TNFa- CD107a-IFNg-IL2+TNFa+ CD107a-IFNg-IL2+TNFa- CD107a-IFNg-IL2-TNFa+ CD107a-IFNg-IL2-TNFa- 4cytokine 3cytokine 2cytokine 1cytokine 0cytokine	SEB	CD8+MART-1+	CD107a+ IFNg+ IL2+ TNFa+ CD107a- IFNg- IL2- TNFa- CD107a+IFNg+IL2+TNFa+ CD107a+IFNg+IL2+TNFa- CD107a+IFNg+IL2-TNFa+ CD107a+IFNg+IL2-TNFa- CD107a+IFNg-IL2+TNFa+ CD107a+IFNg-IL2+TNFa- CD107a+IFNg-IL2-TNFa+ CD107a+IFNg-IL2-TNFa- CD107a-IFNg+IL2+TNFa+ CD107a-IFNg+IL2+TNFa- CD107a-IFNg+IL2-TNFa+ CD107a-IFNg+IL2-TNFa- CD107a-IFNg-IL2+TNFa+ CD107a-IFNg-IL2+TNFa- CD107a-IFNg-IL2-TNFa+ CD107a-IFNg-IL2-TNFa- 4cytokine 3cytokine 2cytokine 1cytokine 0cytokine
		CD107a+ IFNg+ IL2+ TNFa+ CD107a- IFNg- IL2- TNFa- CD107a+IFNg+IL2+TNFa+ CD107a+IFNg+IL2+TNFa- CD107a+IFNg+IL2-TNFa+ CD107a+IFNg+IL2-TNFa- CD107a+IFNg-IL2+TNFa+ CD107a+IFNg-IL2+TNFa- CD107a+IFNg-IL2-TNFa+ CD107a+IFNg-IL2-TNFa- CD107a-IFNg+IL2+TNFa+ CD107a-IFNg+IL2+TNFa- CD107a-IFNg+IL2-TNFa+ CD107a-IFNg+IL2-TNFa- CD107a-IFNg-IL2+TNFa+ CD107a-IFNg-IL2+TNFa- CD107a-IFNg-IL2-TNFa+ CD107a-IFNg-IL2-TNFa- 4cytokine 3cytokine 2cytokine 1cytokine 0cytokine			CD107a+ IFNg+ IL2+ TNFa+ CD107a- IFNg- IL2- TNFa- CD107a+IFNg+IL2+TNFa+ CD107a+IFNg+IL2+TNFa- CD107a+IFNg+IL2-TNFa+ CD107a+IFNg+IL2-TNFa- CD107a+IFNg-IL2+TNFa+ CD107a+IFNg-IL2+TNFa- CD107a+IFNg-IL2-TNFa+ CD107a+IFNg-IL2-TNFa- CD107a-IFNg+IL2+TNFa+ CD107a-IFNg+IL2+TNFa- CD107a-IFNg+IL2-TNFa+ CD107a-IFNg+IL2-TNFa- CD107a-IFNg-IL2+TNFa+ CD107a-IFNg-IL2+TNFa- CD107a-IFNg-IL2-TNFa+ CD107a-IFNg-IL2-TNFa- 4cytokine 3cytokine 2cytokine 1cytokine 0cytokine			CD107a+ IFNg+ IL2+ TNFa+ CD107a- IFNg- IL2- TNFa- CD107a+IFNg+IL2+TNFa+ CD107a+IFNg+IL2+TNFa- CD107a+IFNg+IL2-TNFa+ CD107a+IFNg+IL2-TNFa- CD107a+IFNg-IL2+TNFa+ CD107a+IFNg-IL2+TNFa- CD107a+IFNg-IL2-TNFa+ CD107a+IFNg-IL2-TNFa- CD107a-IFNg+IL2+TNFa+ CD107a-IFNg+IL2+TNFa- CD107a-IFNg+IL2-TNFa+ CD107a-IFNg+IL2-TNFa- CD107a-IFNg-IL2+TNFa+ CD107a-IFNg-IL2+TNFa- CD107a-IFNg-IL2-TNFa+ CD107a-IFNg-IL2-TNFa- 4cytokine 3cytokine 2cytokine 1cytokine 0cytokine

Supplementary Table S4

NK subpopulation and NKT cell phenotype and functionality (132 variables)

culture	parent population	Variable	culture	parent population	Variable	culture	parent population	Variable
NS	Singlets	Lymphocytes	K562	Singlets	Lymphocytes	PMA + Ionomycin	Singlets	Lymphocytes
	Lymphocytes	Live CD3-		Lymphocytes	Live CD3-		Lymphocytes	Live CD3-
	Live cells	CD3+ CD3+ CD56+ (NKT)		Live cells	CD3+ CD3+ CD56+ (NKT)		Live cells	CD3+ CD3+ CD56+ (NKT)
	Live CD3-	CD56+ (Nktot) CD56hi CD16- CD56hi CD16+ CD56dim CD16+ CD56dim CD16-		Live CD3-	CD56+ (Nktot) CD56hi CD16- CD56hi CD16+ CD56dim CD16+ CD56dim CD16-		Live CD3-	CD56+ (Nktot) CD56hi CD16- CD56hi CD16+ CD56dim CD16+ CD56dim CD16-
	CD3+	CD107+IFNg+ CD107+IFNg+ IFNg+ CD107tot+ IFNggtot+		CD3+	CD107+IFNg+ CD107+IFNg+ IFNg+ CD107tot+ IFNggtot+		CD3+	CD107+IFNg+ CD107+IFNg+ IFNg+ CD107tot+ IFNggtot+
	CD3+ CD56+ (NKT)	CD107+IFNg+ CD107+IFNg+ IFNg+ CD107tot+ IFNggtot+		CD3+ CD56+ (NKT)	CD107+IFNg+ CD107+IFNg+ IFNg+ CD107tot+ IFNggtot+		CD3+ CD56+ (NKT)	CD107+IFNg+ CD107+IFNg+ IFNg+ CD107tot+ IFNggtot+
	CD56+ (Nktot)	CD107+IFNg+ CD107+IFNg+ IFNg+ CD107tot+ IFNggtot+		CD56+ (Nktot)	CD107+IFNg+ CD107+IFNg+ IFNg+ CD107tot+ IFNggtot+		CD56+ (Nktot)	CD107+IFNg+ CD107+IFNg+ IFNg+ CD107tot+ IFNggtot+
	CD56hi CD16-	CD107+IFNg+ CD107+IFNg+ IFNg+ CD107tot+ IFNggtot+		CD56hi CD16-	CD107+IFNg+ CD107+IFNg+ IFNg+ CD107tot+ IFNggtot+		CD56hi CD16-	CD107+IFNg+ CD107+IFNg+ IFNg+ CD107tot+ IFNggtot+
	CD56hi CD16+	CD107+IFNg+ CD107+IFNg+ IFNg+ CD107tot+ IFNggtot+		CD56hi CD16+	CD107+IFNg+ CD107+IFNg+ IFNg+ CD107tot+ IFNggtot+		CD56hi CD16+	CD107+IFNg+ CD107+IFNg+ IFNg+ CD107tot+ IFNggtot+
	CD56dim CD16+	CD107+IFNg+ CD107+IFNg+ IFNg+ CD107tot+ IFNggtot+		CD56dim CD16+	CD107+IFNg+ CD107+IFNg+ IFNg+ CD107tot+ IFNggtot+		CD56dim CD16+	CD107+IFNg+ CD107+IFNg+ IFNg+ CD107tot+ IFNggtot+
	CD56dim CD16-	CD107+IFNg+ CD107+IFNg+ IFNg+ CD107tot+ IFNggtot+		CD56dim CD16-	CD107+IFNg+ CD107+IFNg+ IFNg+ CD107tot+ IFNggtot+		CD56dim CD16-	CD107+IFNg+ CD107+IFNg+ IFNg+ CD107tot+ IFNggtot+

Supplementary Table S5: ROC coordinates and cut-off values

Treg			EM CD3 ⁺			N CD4 ⁺		
Cutpoint	Sensitivity	1-Specificity	Cutpoint	Sensitivity	1-Specificity	Cutpoint	Sensitivity	1-Specificity
0.80	1.000	1.000	10.20	1.000	1.000	4.43	1.000	1.000
1.00	1.000	0.875	15.00	1.000	0.929	9.76	1.000	0.917
1.24	1.000	0.750	15.20	1.000	0.857	10.80	1.000	0.833
1.40	1.000	0.625	16.70	1.000	0.786	13.70	1.000	0.750
1.41	1.000	0.500	17.30	1.000	0.714	15.20	1.000	0.667
1.47	1.000	0.375	19.90	0.917	0.714	18.00	0.929	0.667
1.54	0.833	0.375	25.10	0.917	0.643	18.20	0.857	0.667
1.59	0.833	0.250	25.30	0.833	0.643	19.40	0.857	0.583
1.63	0.833	0.125	26.80	0.833	0.571	21.60	0.857	0.500
1.68	0.667	0.125	27.00	0.833	0.500	22.00	0.857	0.417
2.19	0.667	0.000	28.80	0.750	0.500	25.70	0.786	0.417
2.33	0.500	0.000	29.50	0.750	0.429	28.50	0.714	0.417
3.16	0.333	0.000	30.30	0.667	0.429	28.60	0.714	0.333
3.20	0.167	0.000	30.70	0.667	0.357	31.50	0.643	0.333
			31.20	0.667	0.286	32.10	0.571	0.333
			31.80	0.583	0.286	34.80	0.500	0.250
			33.00	0.583	0.214	35.80	0.500	0.167
			34.50	0.583	0.143	36.10	0.429	0.167
			35.00	0.500	0.143	41.90	0.357	0.167
			36.00	0.417	0.143	43.20	0.286	0.167
			37.00	0.333	0.071	45.50	0.214	0.167
			37.90	0.333	0.000	49.40	0.214	0.083
			39.40	0.250	0.000	49.50	0.214	0.000
			41.10	0.167	0.000	54.90	0.143	0.000
			53.20	0.083	0.000	56.70	0.071	0.000

TD CD8 ^{hi} CD4 ^{low}			EM CD8 ^{low} CD4 ^{hi}			CM CD3 ⁺ γδ		
Cutpoint	Sensitivity	1-Specificity	Cutpoint	Sensitivity	1-Specificity	Cutpoint	Sensitivity	1-Specificity
1.66	1.000	1.000	22.00	1.000	1.000	1.69	1.000	1.000
2.15	1.000	0.917	22.40	1.000	0.929	3.03	1.000	0.889
2.20	1.000	0.833	25.40	1.000	0.857	3.58	1.000	0.778
2.26	1.000	0.750	34.20	0.917	0.857	3.80	1.000	0.667
2.45	1.000	0.667	37.00	0.917	0.786	4.03	1.000	0.556
2.66	0.929	0.667	37.40	0.917	0.714	5.57	0.833	0.556
3.79	0.929	0.583	40.50	0.917	0.643	5.68	0.833	0.444
4.36	0.929	0.500	40.60	0.917	0.571	5.95	0.833	0.333
5.13	0.857	0.500	41.40	0.833	0.571	6.56	0.833	0.222
5.40	0.857	0.417	43.50	0.833	0.500	7.35	0.667	0.222
5.53	0.857	0.333	43.60	0.833	0.429	8.49	0.500	0.222
7.05	0.786	0.333	45.90	0.833	0.357	9.82	0.500	0.111
7.56	0.714	0.333	46.60	0.750	0.357	10.10	0.500	0.000
8.49	0.714	0.250	49.30	0.667	0.357	14.30	0.333	0.000
9.03	0.714	0.167	52.70	0.667	0.286	17.80	0.167	0.000
9.63	0.643	0.167	54.40	0.667	0.214			
10.50	0.571	0.167	54.60	0.667	0.143			
10.70	0.500	0.167	59.00	0.583	0.143			
12.00	0.429	0.167	64.20	0.500	0.143			
12.30	0.357	0.167	65.50	0.417	0.143			
12.80	0.286	0.167	65.90	0.333	0.143			
27.50	0.286	0.083	68.20	0.333	0.071			
34.30	0.214	0.083	76.30	0.333	0.000			
35.20	0.143	0.083	78.10	0.250	0.000			
55.00	0.071	0.083	83.10	0.167	0.000			
60.90	0.071	0.000	84.70	0.083	0.000			

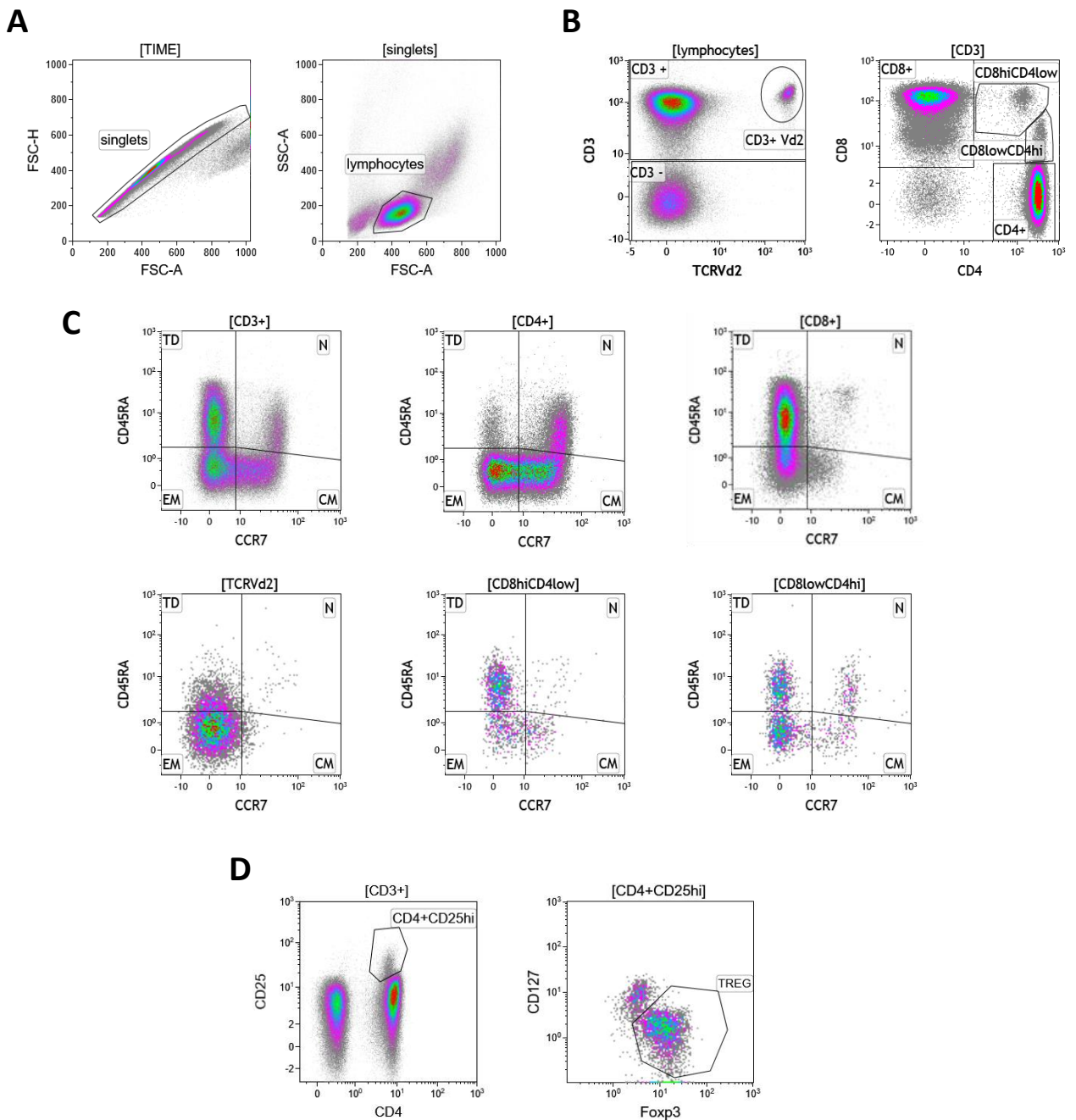
*Red, optimal cut-off values

Supplementary Table S6: ROC coordinates and cut-off values

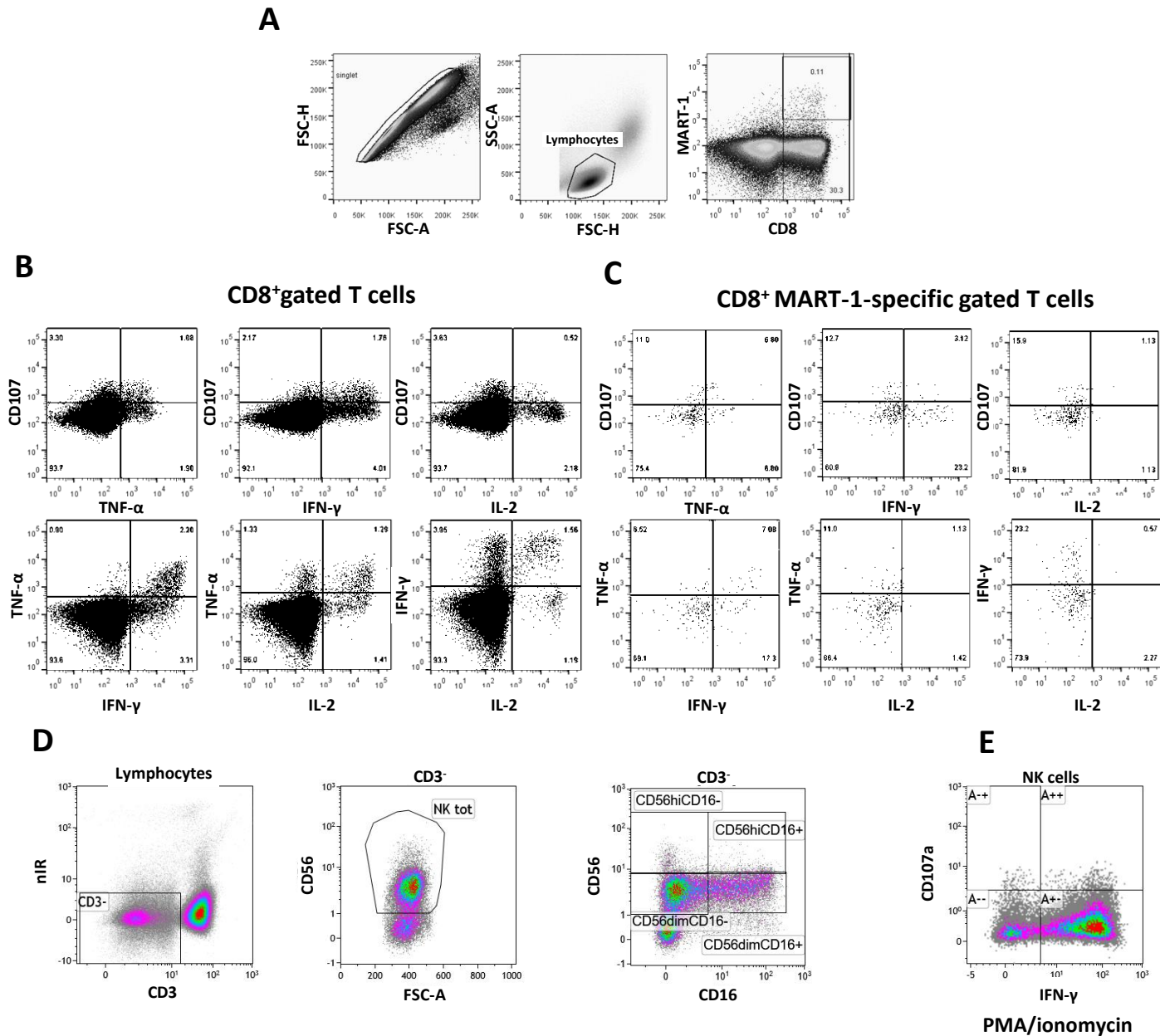
CD8 ⁺ TNFα ⁺			CD8 ⁺ 3 cytokines (SEB)			CD8 ⁺ MART-1 ⁺ 1 cytokine (MART-		
Cutpoint	Sensitivity	1-Specificity	Cutpoint	Sensitivity	1-Specificity	Cutpoint	Sensitivity	1-Specificity
1.59	1.000	1.000	0.76	1.000	1.000	8.33	1.000	1.000
2.44	1.000	0.857	1.07	1.000	0.800	14.68	1.000	0.889
2.75	1.000	0.714	1.53	0.889	0.800	16.08	1.000	0.778
3.05	0.889	0.714	1.62	0.889	0.600	17.70	1.000	0.667
3.45	0.889	0.571	2.61	0.889	0.400	18.44	1.000	0.556
4.74	0.889	0.429	3.23	0.889	0.200	18.80	1.000	0.444
6.20	0.889	0.286	3.52	0.778	0.200	19.09	0.800	0.444
6.57	0.889	0.143	3.61	0.667	0.200	19.34	0.800	0.333
7.32	0.778	0.143	3.64	0.556	0.200	22.97	0.800	0.222
7.40	0.667	0.143	4.46	0.556	0.000	24.42	0.600	0.222
8.04	0.556	0.143	5.60	0.444	0.000	26.87	0.600	0.111
9.85	0.556	0.000	5.90	0.333	0.000	34.27	0.600	0.000
10.20	0.444	0.000	6.65	0.222	0.000	36.36	0.400	0.000
11.70	0.333	0.000	6.98	0.111	0.000	40.00	0.200	0.000
13.80	0.222	0.000						
15.50	0.111	0.000						

CD8 ⁺ MART-1 ⁺ 0 cytokine (MART-			CD56 ^{dim} CD16 ⁻ (NT) ⁻			CD56 ^{hi} CD16 ⁺ IFNγ ⁺ (PI) ⁻		
Cutpoint	Sensitivity	1-Specificity	Cutpoint	Sensitivity	1-Specificity	Cutpoint	Sensitivity	1-Specificity
34.30	1.000	1.000	3.41	1.000	1.000	0.00	1.000	1.000
40.00	1.000	0.800	3.51	1.000	0.833	1.66	1.000	0.600
51.20	1.000	0.600	3.76	1.000	0.667	2.00	1.000	0.400
55.90	0.889	0.600	3.81	1.000	0.500	2.67	0.800	0.400
59.90	0.778	0.600	4.06	0.857	0.500	6.06	0.800	0.200
66.90	0.778	0.400	4.55	0.857	0.333	9.80	0.800	0.000
68.80	0.778	0.200	7.72	0.857	0.167	10.53	0.600	0.000
72.30	0.778	0.000	8.96	0.714	0.167	57.15	0.400	0.000
73.30	0.667	0.000	9.29	0.571	0.167	100.00	0.200	0.000
74.10	0.556	0.000	10.58	0.429	0.167			
75.00	0.444	0.000	14.97	0.429	0.000			
75.60	0.333	0.000	17.30	0.286	0.000			
79.80	0.222	0.000	23.02	0.143	0.000			
82.30	0.111	0.000						

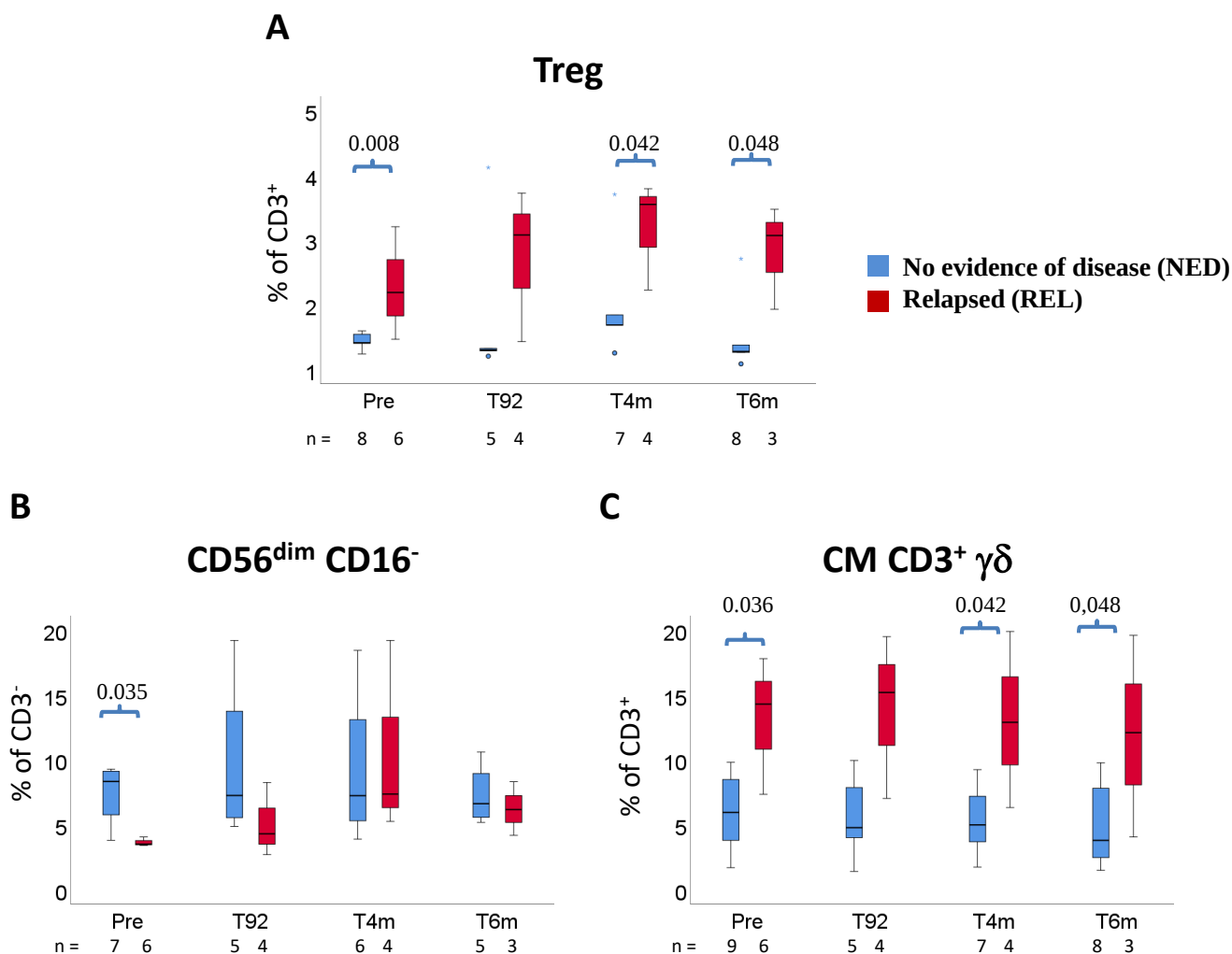
*Red, optimal cut-off values



Supplementary Figure S1. Representative dot plots depicting the gating strategies for analyzing different CD3⁺ cell subsets. **A, B and C)** PBMCs were stained with a six-color panel which includes anti-CD45RA, -Vδ2, -CCR7, -CD8, -CD4 and -CD3 mAbs. **A)** Debris and cell aggregates were removed from the analysis by gating on singlets (left plot). Lymphocytes were gated within a SSC-A/FSC-A dot plot (right plot). **B)** A CD3 vs TCR Vδ2 dot plot was drawn within the lymphocyte region, allowing the identification of total CD3⁺ T cells, γδ T cells (CD3⁺ TCR Vδ2⁺) and CD3⁻ cells (left plot). Single positive (either CD4⁺ or CD8⁺ T cells) and double positive CD4⁺CD8⁺ (either CD8^{hi}CD4^{low} or CD8^{low}CD4^{hi}) T cells were identified within CD3⁺ gated cells (right plot). **C)** The different T cell subsets were then distinguished in naïve (N, CD45RA⁺ CCR7⁺), central memory (CM, CD45RA⁻CCR7⁺), effector memory (EM, CD45RA⁻CCR7⁻), and terminally differentiated (TD, CD45RA⁺CCR7⁻) cells. **D)** PBMCs were stained with a six-color panel which includes anti-CD3, -CD4, -CD25, -CD127, -Foxp3 mAbs and LIVE/DEAD™ Fixable Near-IR Stain. Regulatory T cells (Tregs) were defined as CD4⁺/CD25^{hi} (left plot), CD127⁺/Foxp3⁺ (right plot), within CD3⁺ -live gated cells.



Supplementary Figure S2. Representative dot plots from functional flow cytometry assays. **A, B and C)** PBMCs were stained with a six-color panel which includes anti-CD3, -CD56, -CD16, -IFN- γ , -CD107 mAbs and LIVE/DEAD™ Fixable Near-IR Stain. **A)** Debris and cell aggregates were removed by gating on singlets (left plot). After gating on lymphocytes using a SSC-A/FSC-A dot plot (middle plot), a CD8 vs HLA*0201 MART-1 tetramer dot plot was drawn, allowing the identification of total CD8⁺ T cells and MART-1-specific T cells (right plot). **B and C)** Plots show cytokine (TNF- α , IFN- γ , IL-2) production and CD107a expression of **B)** total CD8⁺ and **C)** CD8⁺ MART-1-specific T cells. **D and E)** PBMCs were stained with a six-color panel which includes anti-CD3, -CD56, -CD16, -IFN- γ , -CD107 mAbs and LIVE/DEAD™ Fixable Near-IR Stain. **D)** Total Natural killer (NK) cell subsets were distinguished within the CD3⁻ region based on the expression of CD56 and further differentiated into four different subsets: CD56^{dim}CD16⁺, CD56^{hi}CD16⁻, CD56^{dim}CD16⁻ and CD56^{hi}CD16⁺. **E)** Total NK functionality after *in vitro* stimulation with PMA/ionomycin assessed by CD107a and IFN- γ expression.



Supplementary Fig. S3. Box plots (showing median, interquartile range, minimum and maximum) representing the frequency of **A)** regulatory T cells (CD3⁺CD4⁺CD25^{hi}CD127⁻Foxp3⁺) (Treg), **B)** natural killer (NK) cell subset (CD3⁺CD56^{dim}CD16⁻) and **C)** central memory (CM) γδ T cells (CD3⁺TCRVδ2⁺CD45RA⁻CCR7⁺) before (pre), at day 92 (T92) and at month 4 (T4m) or 6 (T6m) following the beginning of treatment, in patients with no evidence of disease (NED) and relapsed (REL). The number of patients (n) is indicated below the graphs. P-values by Mann-Whitney non-parametric U test.