

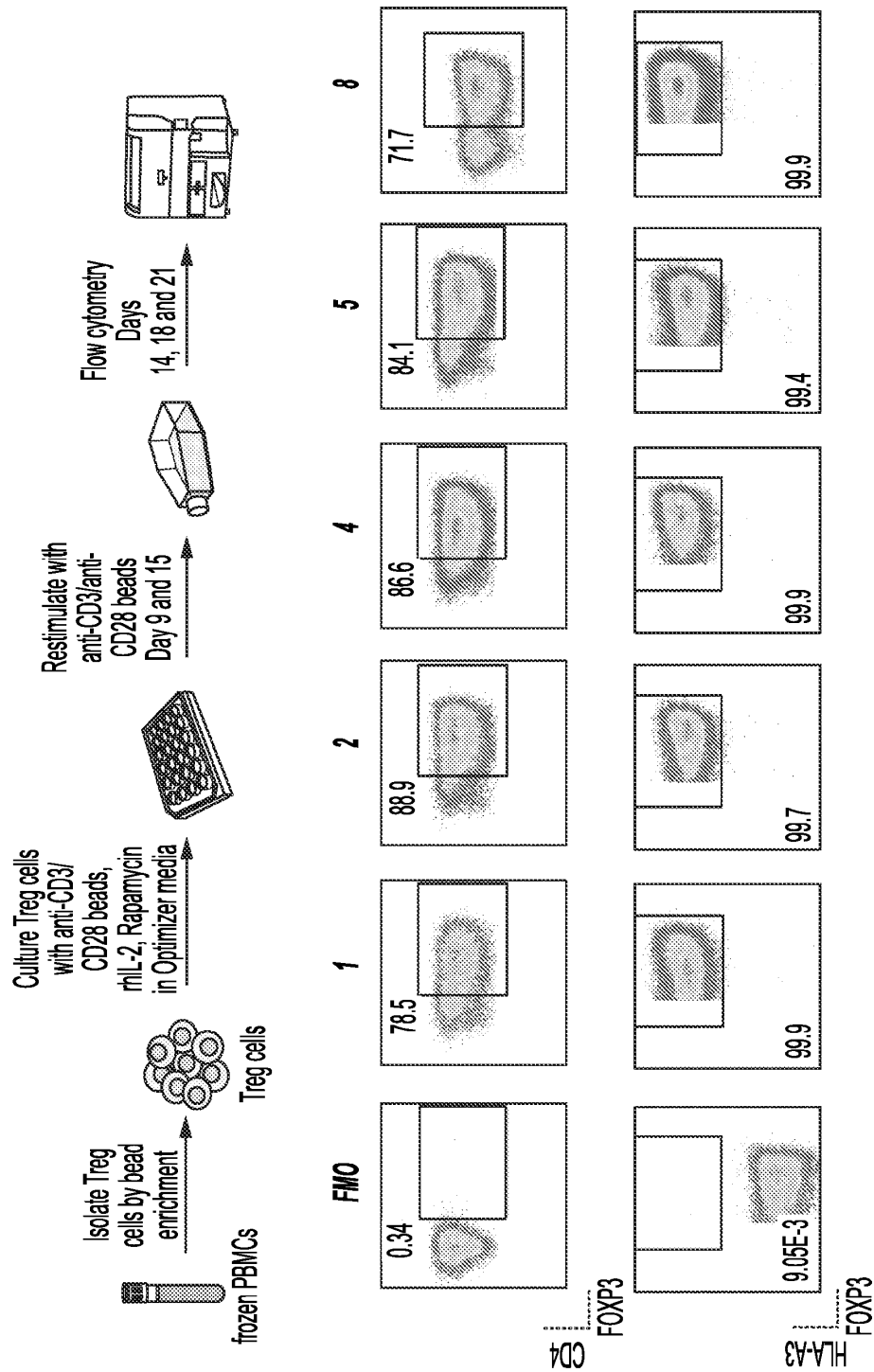


FIG. 1

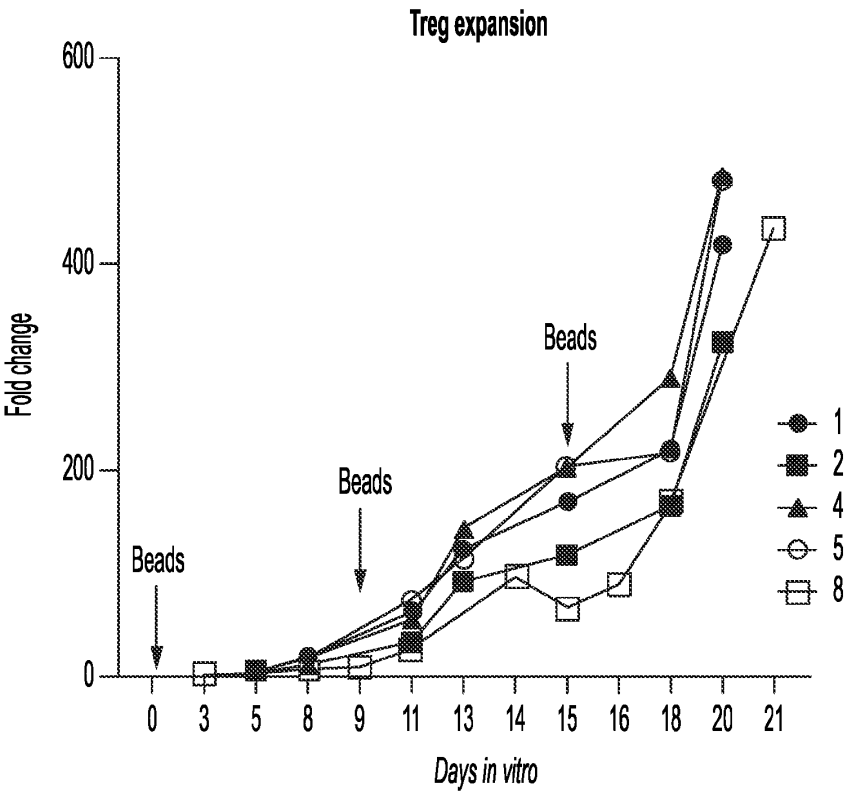


FIG. 2

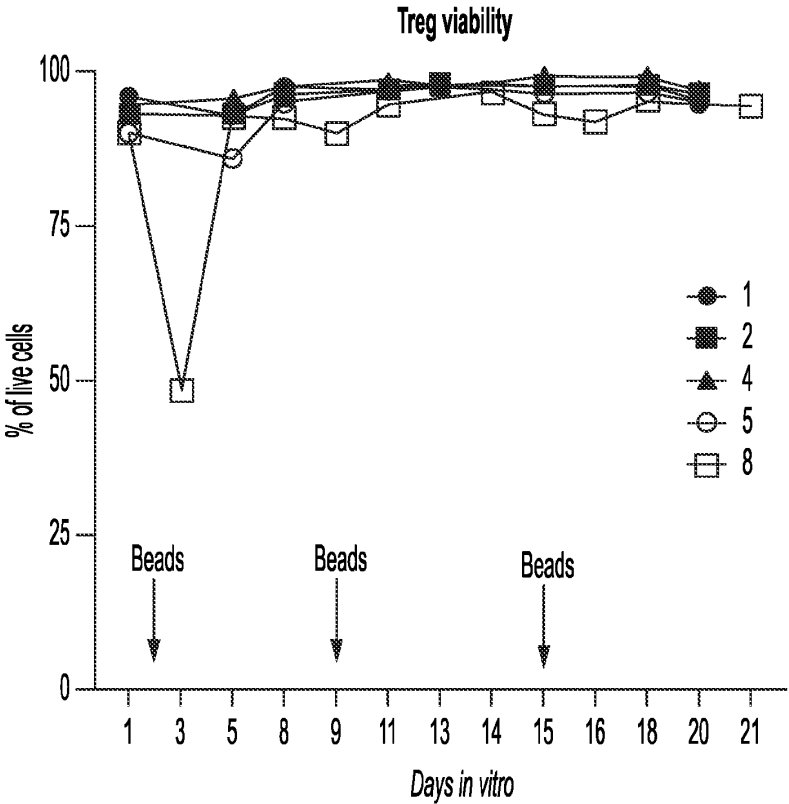


FIG. 3

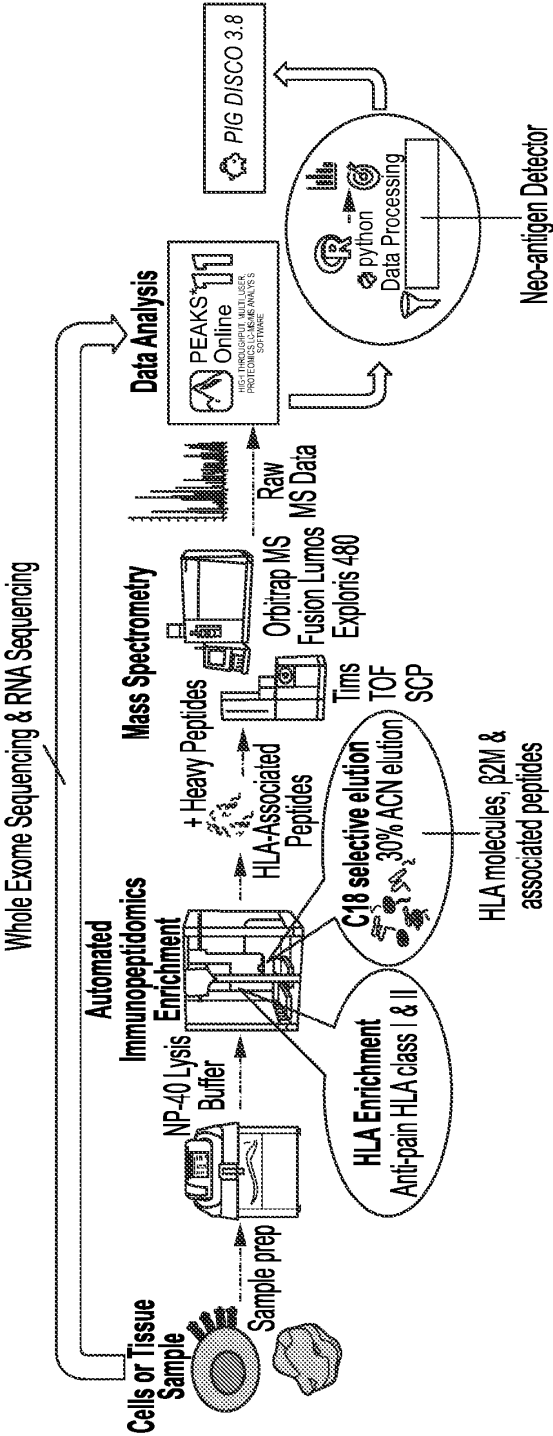


FIG. 4

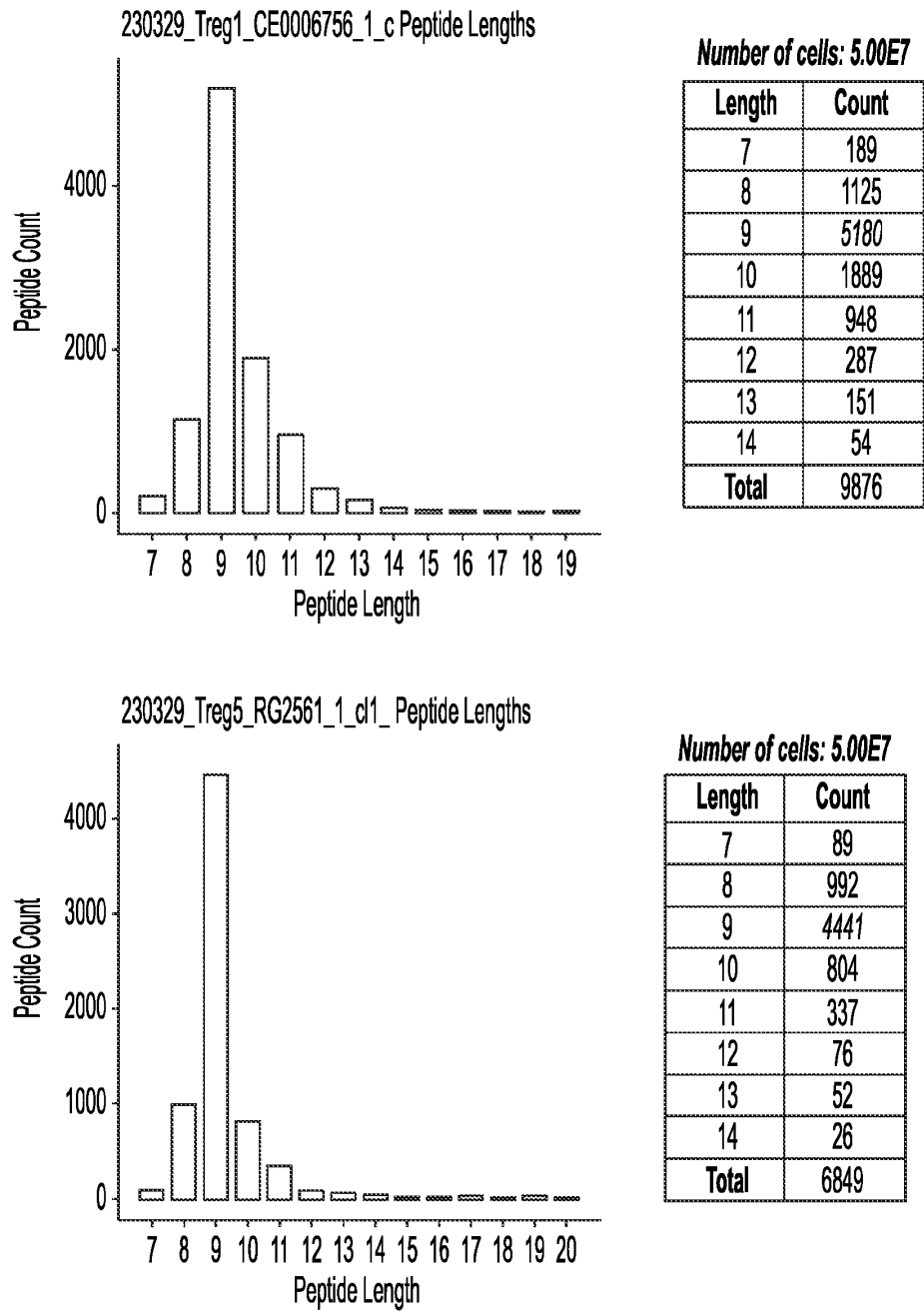


FIG. 5

		HLA-A		HLA-B		HLA-C	
Lab ID	Sample Source	Allele 1	Allele 2	Allele 1	Allele 2	Allele 1	Allele 2
TREG1	Patient Tissue	03:01	68:01	18:01	57:03	04:01	18:01
TREG2	Patient Tissue	01:01	03:01	08:01	44:03	07:01	16:01
TREG3	Patient Tissue	01:01	03:01	08:01	35:01	04:01	07:01
TREG4	Patient Tissue	01:01	03:01	08:01	35:01	04:01	07:01
TREG5	Patient Tissue	03:01	24:02	14:02	15:01	02:02	03:03
TREG6	Patient Tissue	01:01	03:01	08:01	35:01	04:01	07:01
TREG7	Patient Tissue	24:02	33:01	38:01	39:05	07:02	12:03
TREG8	Patient Tissue	02:06	31:01	40:01	51:01	03:04	08:01

FIG. 6A

Binding predictions by NetMHCpan4.1

Allele	Total Binders	Strong Binders	Weak Binders	9mers	Percent Binders
HLA-A03:01	1843	1251	592	5180	36
HLA-A68:01	2259	1671	588	5180	44
HLA-B18:01	1050	882	168	5180	20
HLA-B57:03	1142	927	215	5180	22
HLA-C04:01	894	357	537	5180	17
HLA-C18:01	949	450	499	5180	18

Binding predictions by NetMHCpan4.1

Allele	Total Binders	Strong Binders	Weak Binders	9mers	Percent Binders
HLA-A03:01	1359	952	407	4441	31
HLA-A24:02	1508	1018	490	4441	34
HLA-B14:02	1877	1156	721	4441	42
HLA-B15:01	1867	1481	386	4441	42
HLA-C02:02	2093	1260	833	4441	47
HLA-C03:03	1288	572	716	4441	29

FIG. 6B

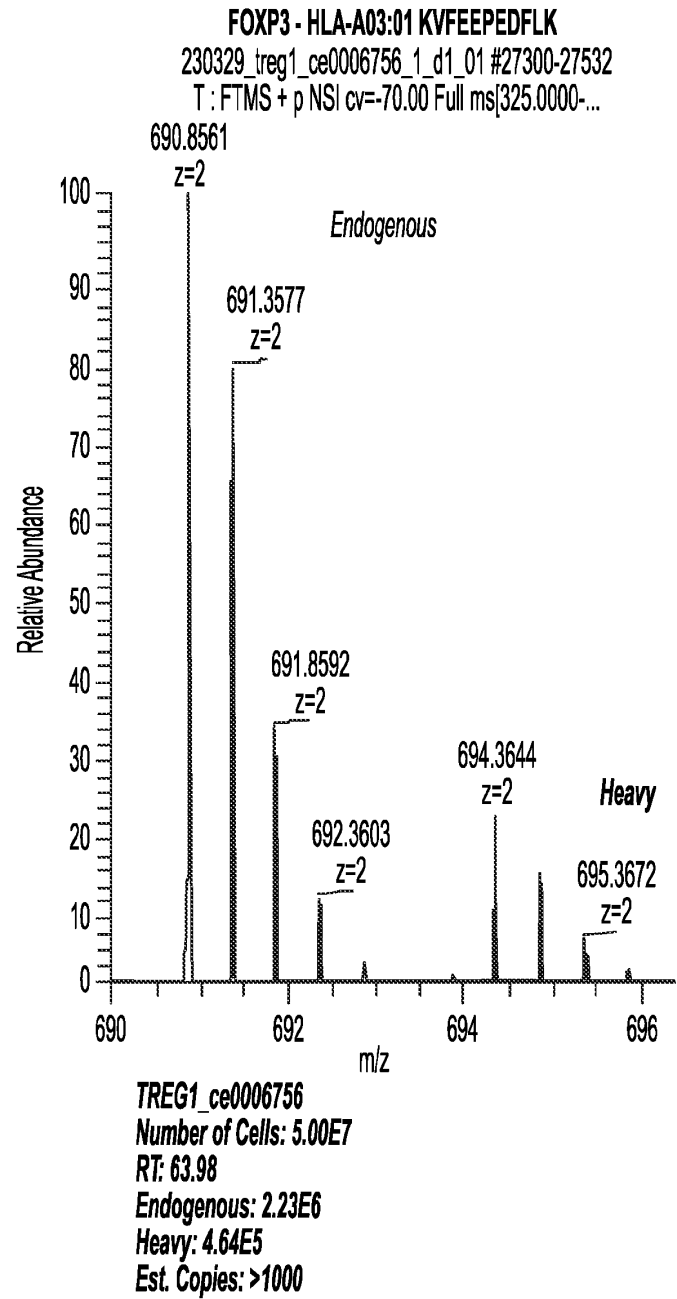
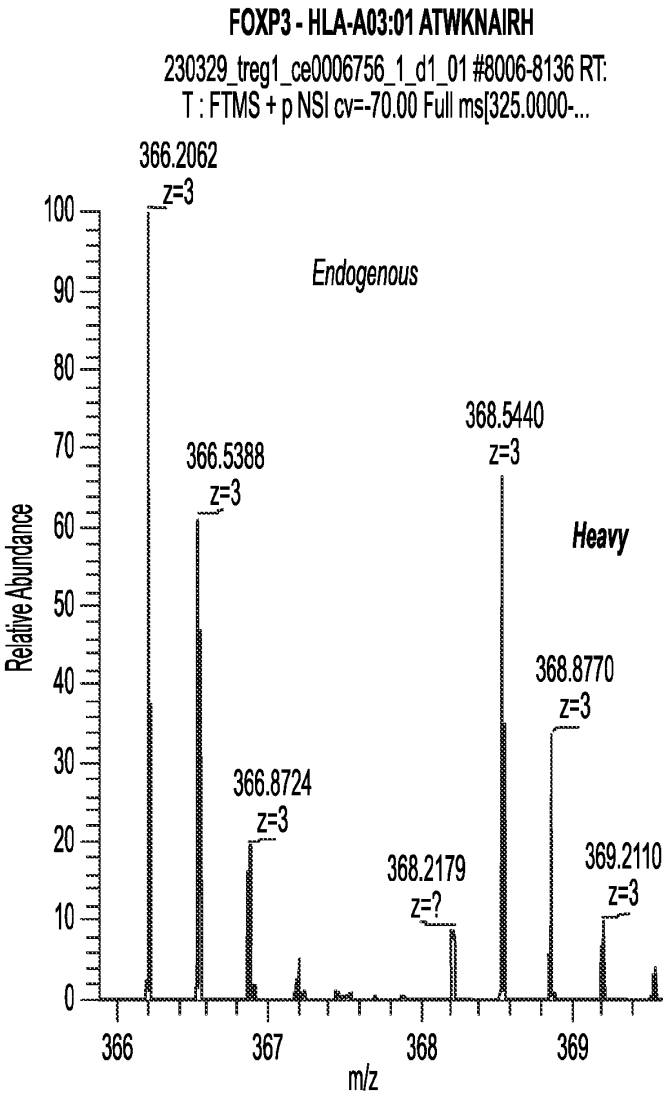


FIG. 7A



TREG1 ce0006756
Number of Cells: 5.00E7
RT: 26.89
Endogenous: 1.42E7
Heavy: 9.41E6
Est. Copies: >1000

FIG. 7B

		KVFEEDFLK (SEQ ID NO:2)	ATWKNA/RH (SEQ ID NO: 1)
LabID	# of cells	Estimated Copies	Estimated Copies
TREG1	5.00E+07	>1000	>1000
TREG2	6.00E+07	>1000	>1000
TREG3	6.00E+07	>1000	>1000
TREG4	2.00E+07	>1000	>1000
TREG5	5.00E+07	>1000	>1000

FOXP3 - HLA-A03:01 peptides of interest (KVFEEDFLK (SEQ ID NO: 2) & ATWKNAIRH (SEQ ID NO: 1)) were sequenced by MS2 on PEAKSonline

- The peptides of interest were validated and quantified by synthetic heavy spike in

FIG. 7C