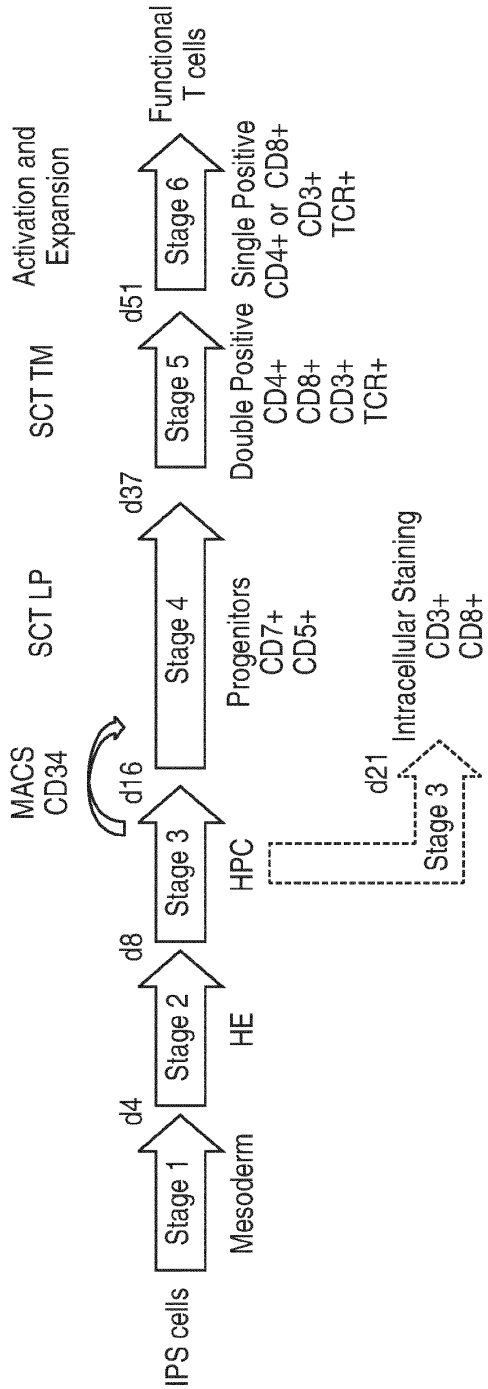

IPS cells
Stage 1
Mesoderm
d4
Stage 2
HE
d8
Stage 3
HPC
MACS
CD34
d16
SCT LP
Stage 4
Progenitors
CD7+
CD5+
d37
SCT TM
Stage 5
Double Positive
CD4+
CD8+
CD3+
TCR+
d51
Activation and
Expansion
Stage 6
Single Positive
CD4+ or CD8+
CD3+
TCR+
Functional
T cells
d21
Intracellular Staining
CD3+
CD8+
Stage 3

FIG. 1

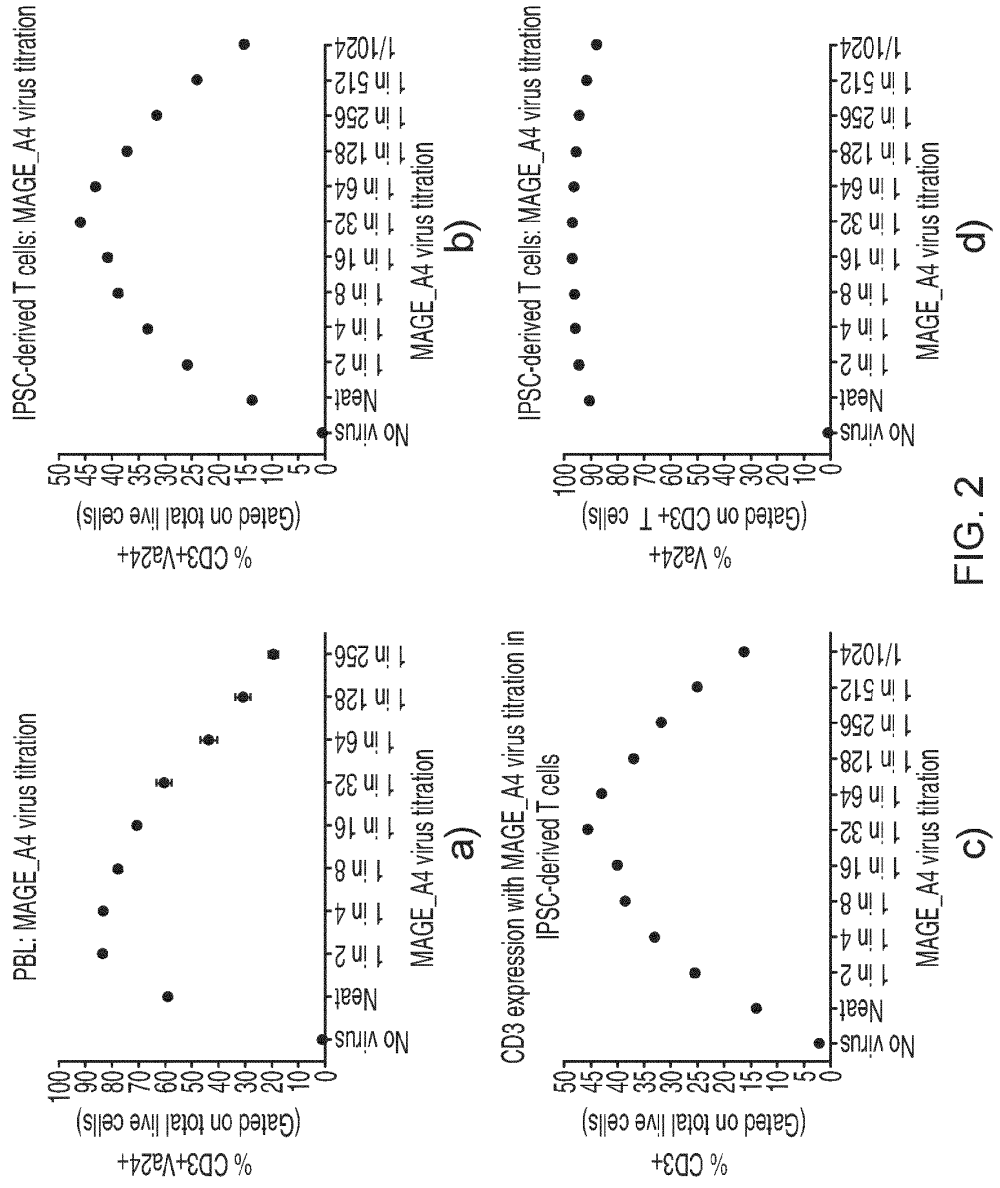

PBL: MAGE_A4 virus titration
% CD3+Va24+ (Gated on total live cells)
MAGE_A4 virus titration
a)
IPSC-derived T cells: MAGE_A4 virus titration
% CD3+Va24+ (Gated on total live cells)
MAGE_A4 virus titration
b)
CD3 expression with MAGE_A4 virus titration in IPSC-derived T cells
% CD3+ (Gated on total live cells)
MAGE_A4 virus titration
c)
IPSC-derived T cells: MAGE_A4 virus titration
% Va24+ (Gated on CD3+ T cells)
MAGE_A4 virus titration
d)
No virus
Neat
1 in 2
1 in 4
1 in 8
1 in 16
1 in 32
1 in 64
1 in 128
1 in 256
1 in 512
1/1024

FIG. 2

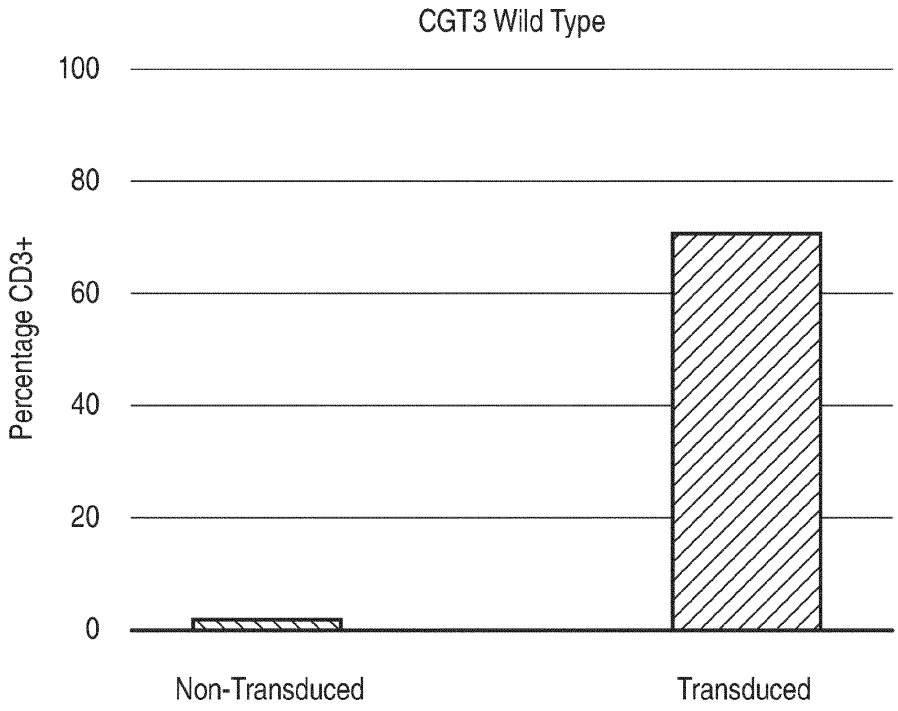

CGT3 Wild Type
100
80
60
40
20
0
Percentage CD3+
Non-Transduced
Transduced

FIG. 3A

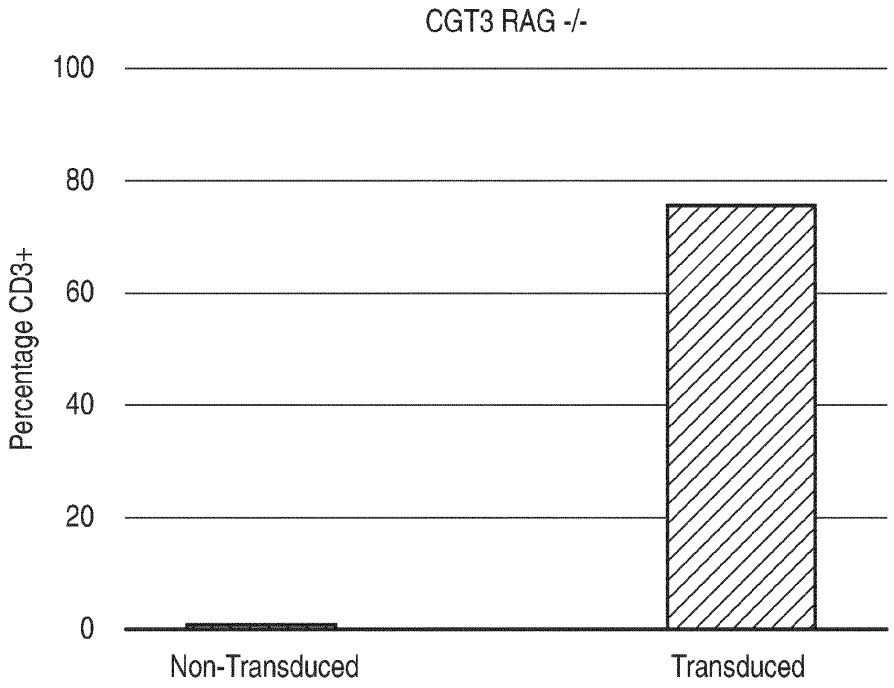

CGT3 RAG -/-
100
80
60
40
20
0
Percentage CD3+
Non-Transduced
Transduced

FIG. 3B

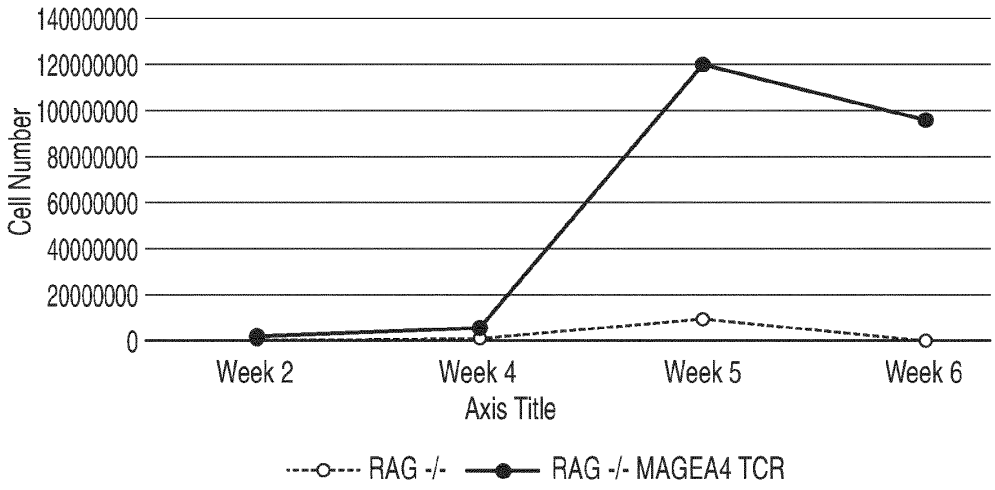

140000000
120000000
100000000
80000000
60000000
40000000
20000000
0
Cell Number
Week 2
Week 4
Week 5
Week 6
Axis Title
RAG -/-
RAG -/- MAGEA4 TCR

FIG. 4