

FIG. 1

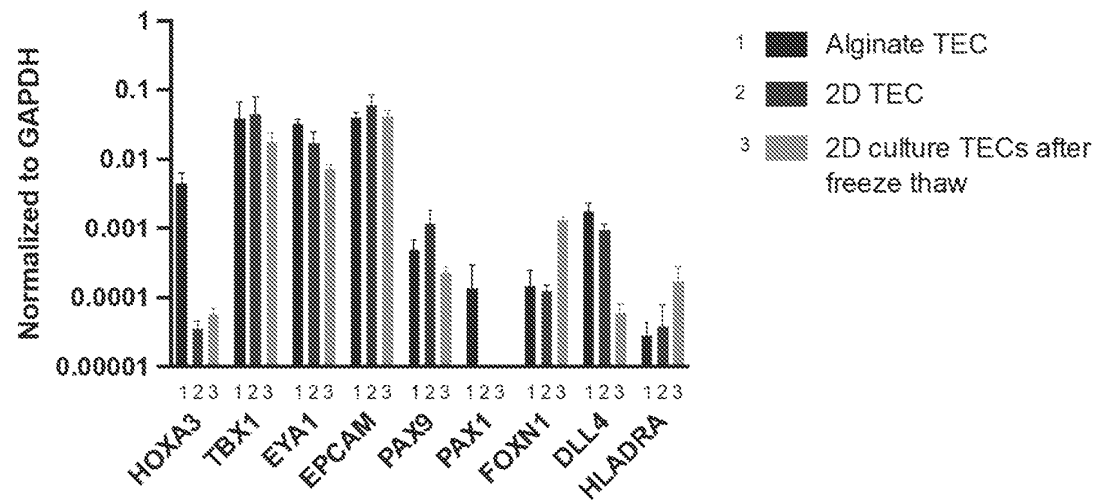


FIG. 2A

3D Differentiation from Aggregates in Alginate

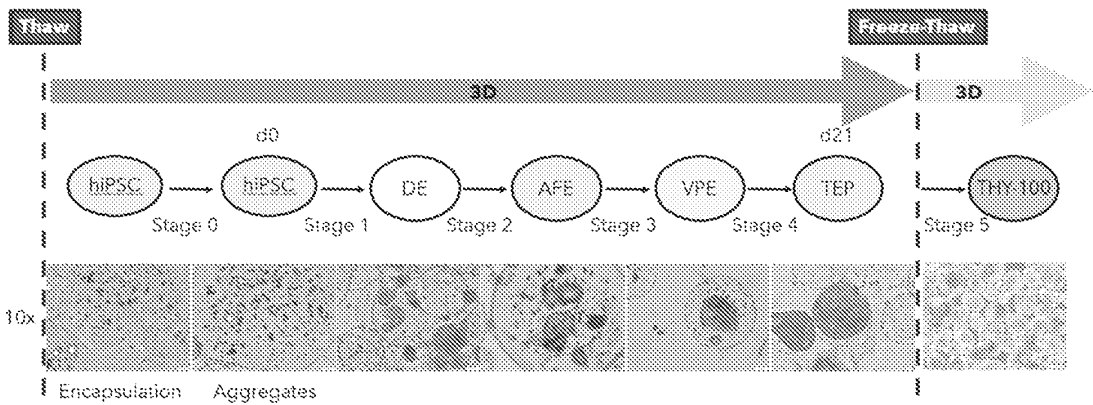


FIG. 2B

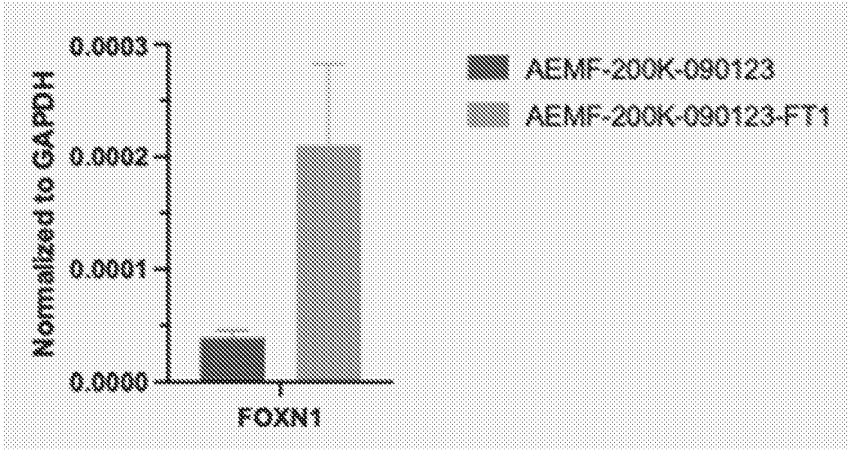
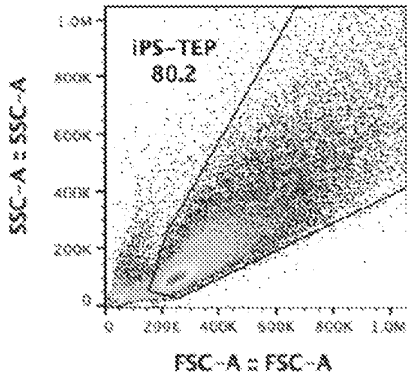
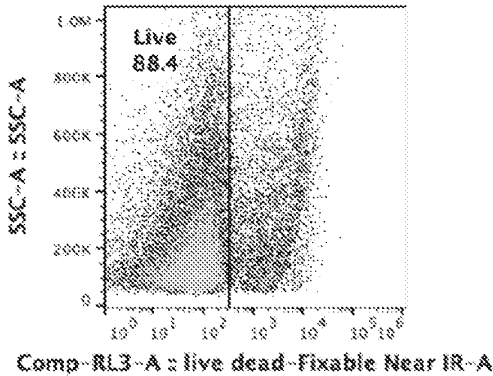


FIG. 3A



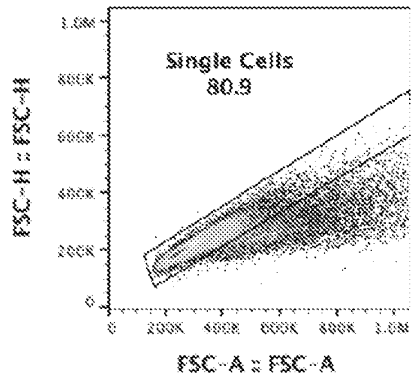
Stain1
Ungated
86470

FIG. 3B



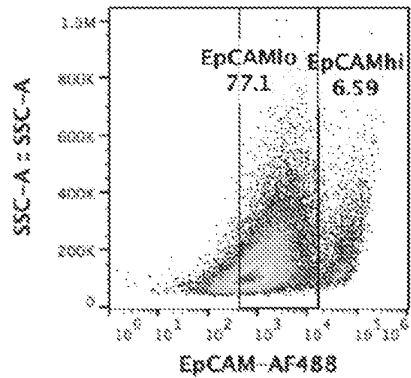
Stain1
IPS-TEP
69347

FIG. 3C



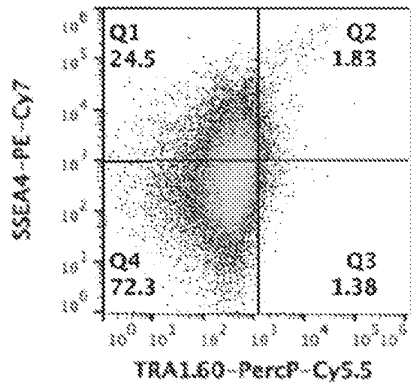
Stain1
Live
61285

FIG. 3D



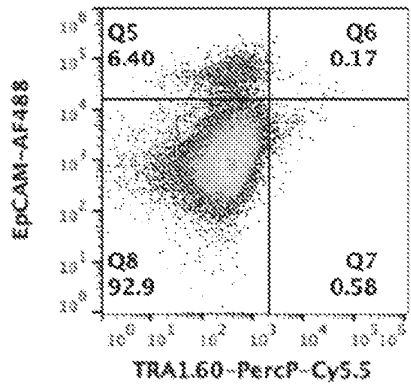
Stain1
Single Cells
49586

FIG. 3E



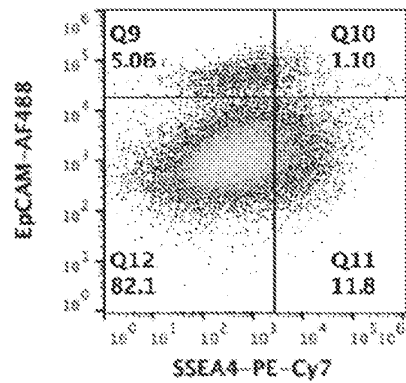
Stain1
Single Cells
49586

FIG. 3F



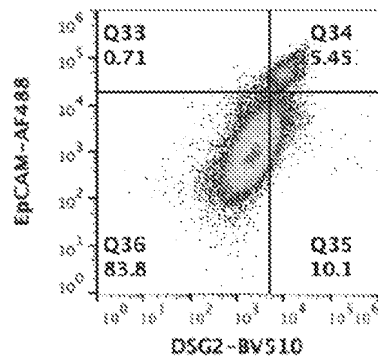
Stain1
Single Cells
49586

FIG. 3G



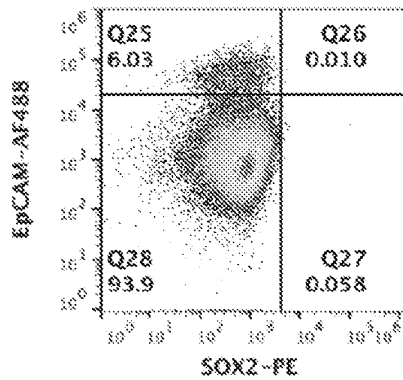
Stain1
Single Cells
49586

FIG. 3H



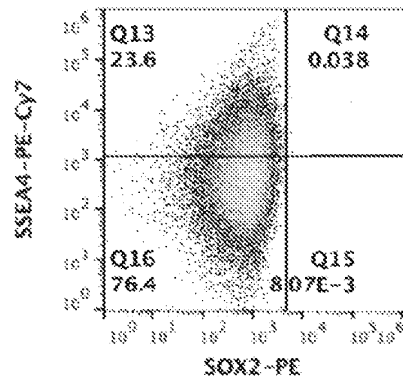
Stain1
Single Cells
49586

FIG. 3I



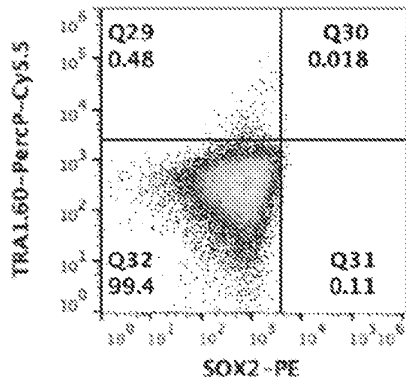
Stain1
Single Cells
49586

FIG. 3J



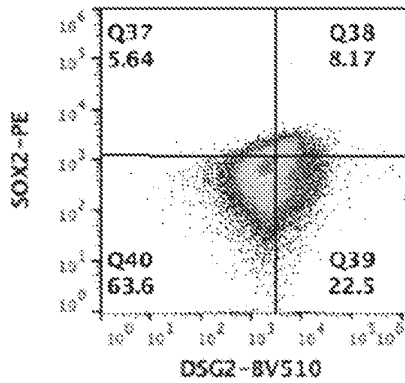
Stain1
Single Cells
49586

FIG. 3K



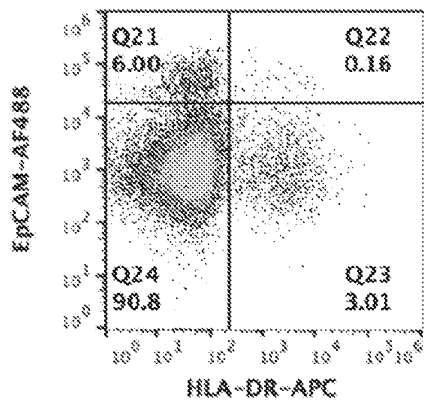
Stain1
Single Cells
49586

FIG. 3L



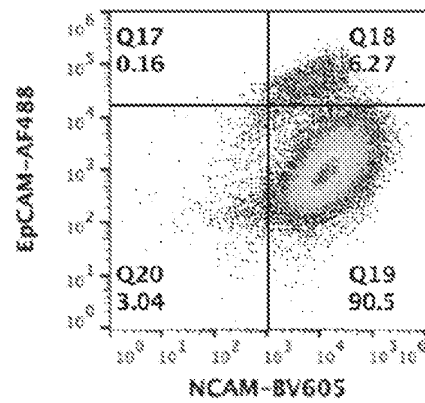
Stain1
Single Cells
49586

FIG. 3M



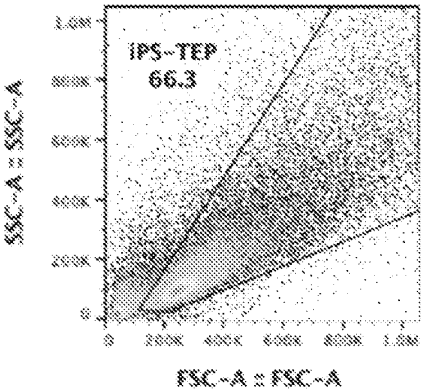
Stain1
Single Cells
49586

FIG. 3N



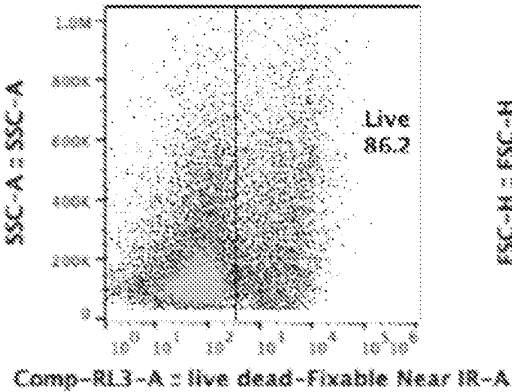
Stain1
Single Cells
49586

FIG. 4A



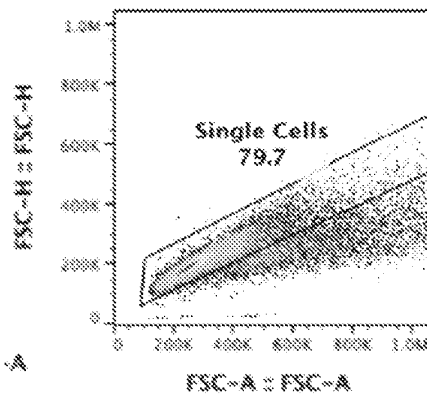
Stain 2
Ungated
69417

FIG. 4B



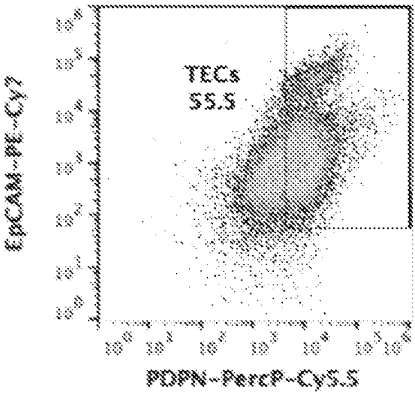
Stain 2
iPS-TEP
46033

FIG. 4C



Stain 2
Live
39687

FIG. 4D



Stain 2
Single Cells
31617

FIG. 4E

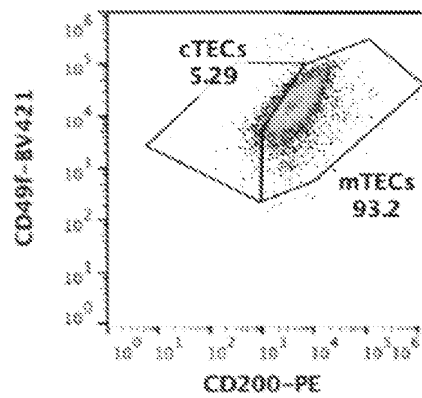
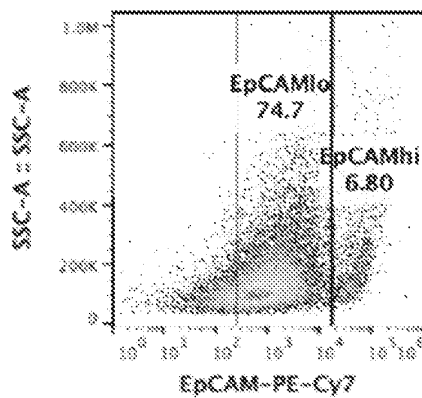
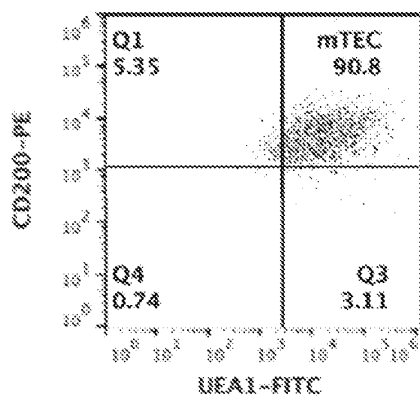


FIG. 4F



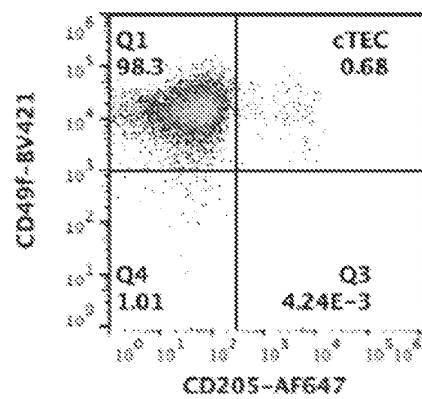
Stain 2
Single Cells
31617

FIG. 4G



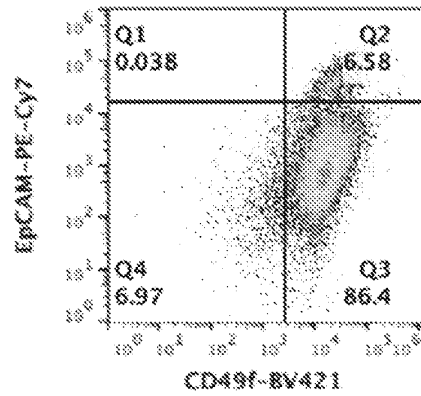
Stain 2
EpCAMhi
2151

FIG. 4H



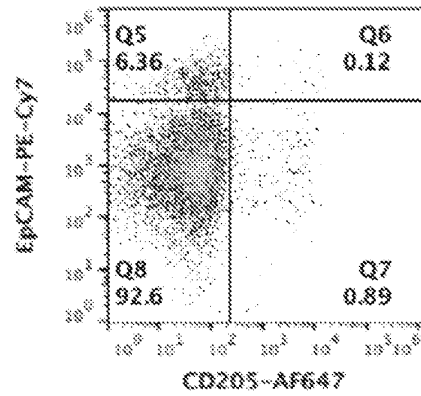
Stain 2
EpCAMlo
23610

FIG. 4I



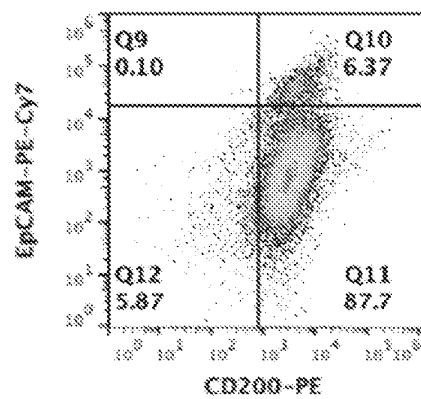
Stain 2
Single Cells
31617

FIG. 4J



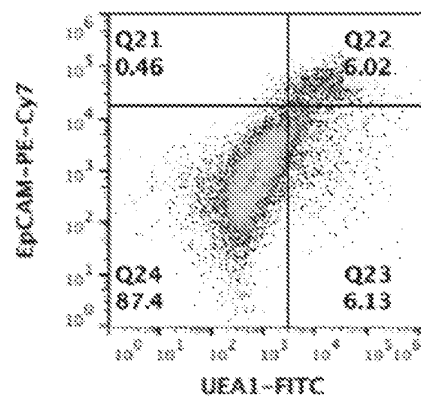
Stain 2
Single Cells
31617

FIG. 4K



Stain 2
Single Cells
31617

FIG. 4L



Stain 2
Single Cells
31617

FIG. 4M

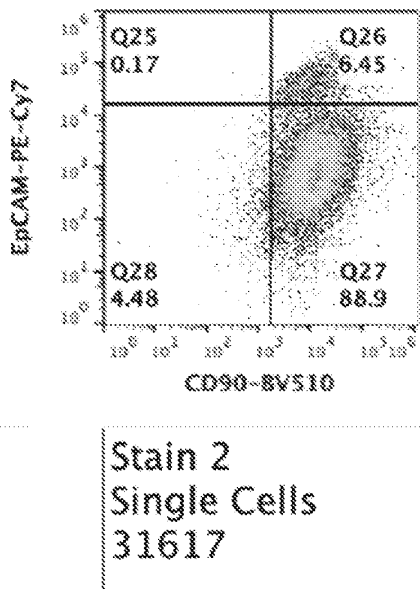
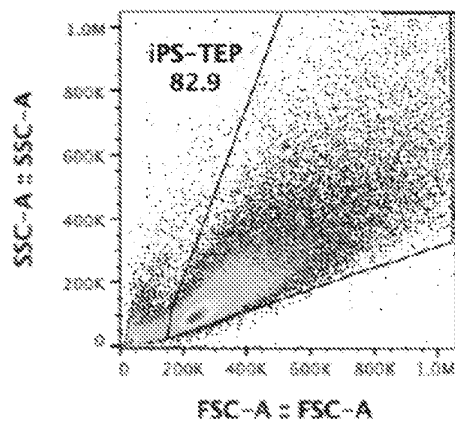
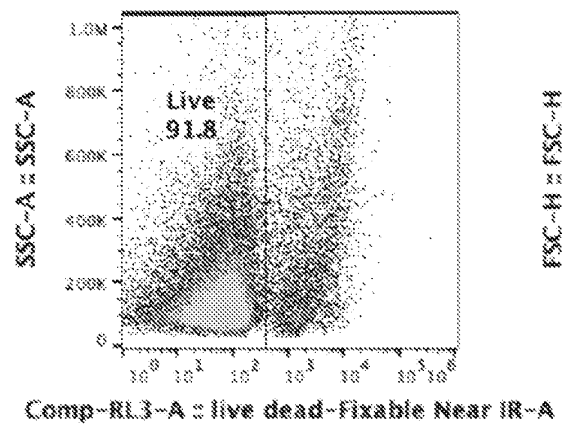


FIG. 5A



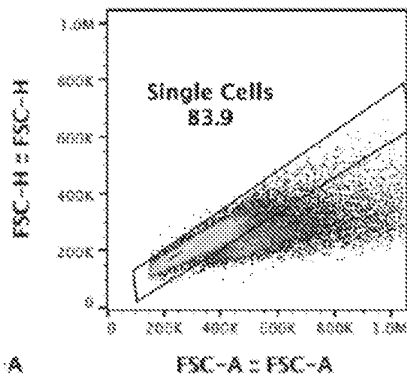
Stain 3
Ungated
108020

FIG. 5B



Stain 3
iPS-TEP
89560

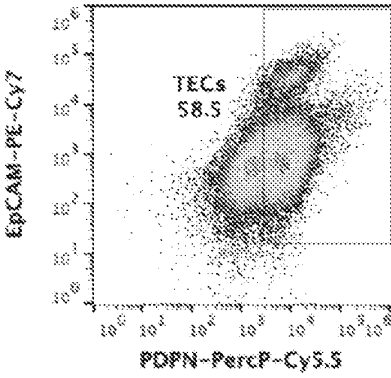
FIG. 5C



A

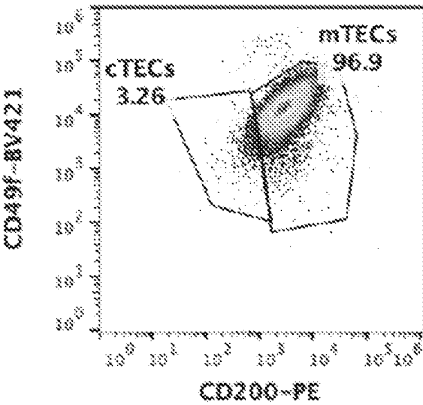
Stain 3
Live
82181

FIG. 5D



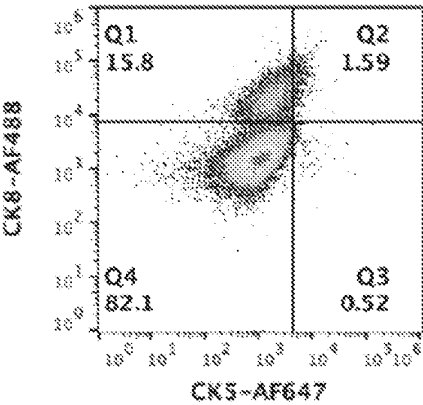
Stain 3
Single Cells
68990

FIG. 5E



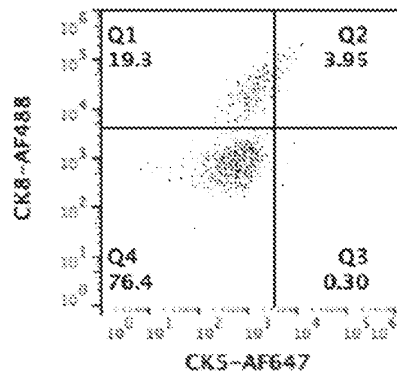
Stain 3
TECs
40367

FIG. 5F



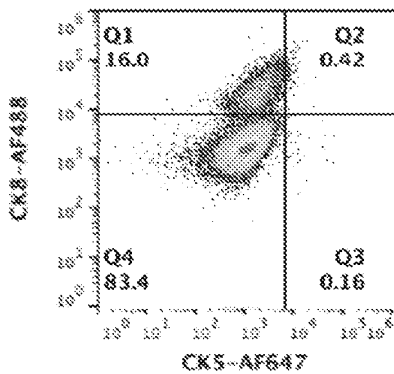
Stain 3
TECs
40367

FIG. 5G



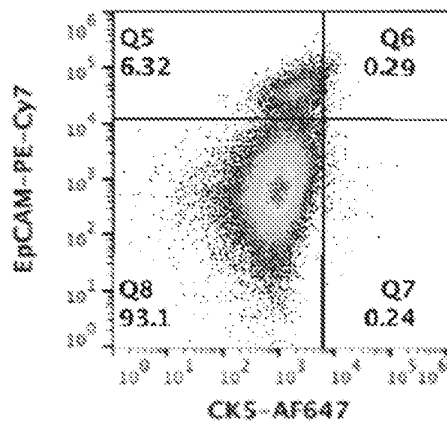
Stain 3
cTECs
1315

FIG. 5H



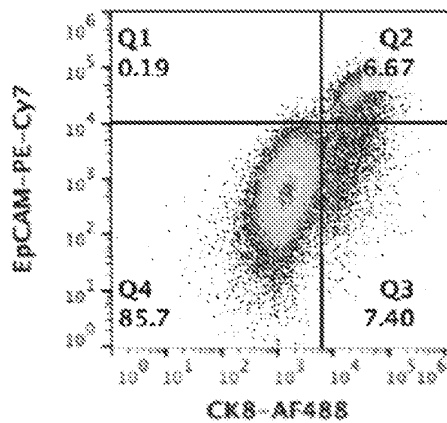
Stain 3
mTECs
39134

FIG. 5I



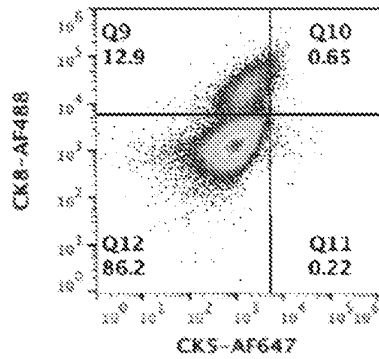
Stain 3
Single Cells
68990

FIG. 5J



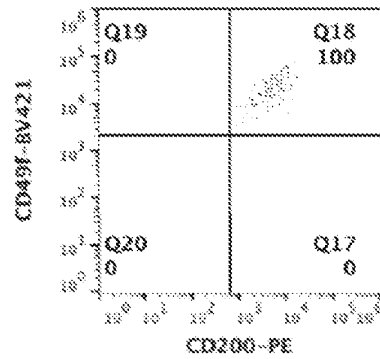
Stain 3
Single Cells
68990

FIG. 5K



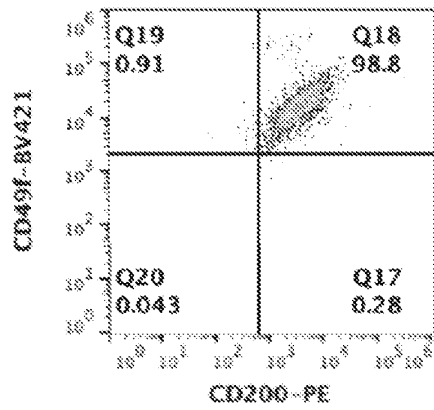
Stain 3
Single Cells
68990

FIG. 5L



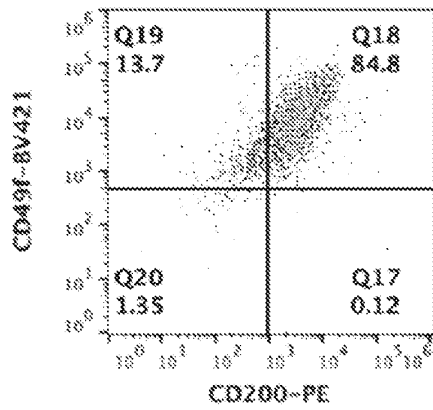
Stain 3
EpCAM+ CK8-
133

FIG. 5M



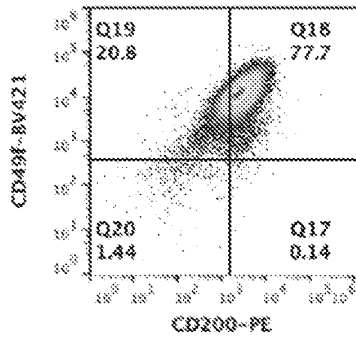
Stain 3
EpCAM+ CK8+
4605

FIG. 5N



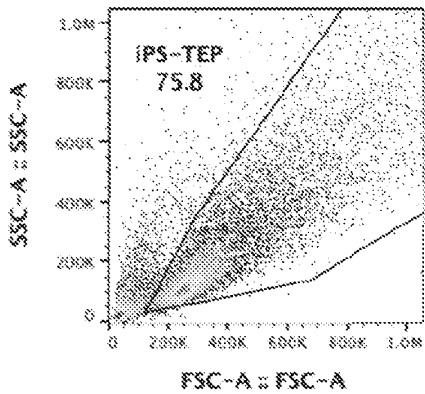
Stain 3
EpCAM- CK8+
5102

FIG. 50



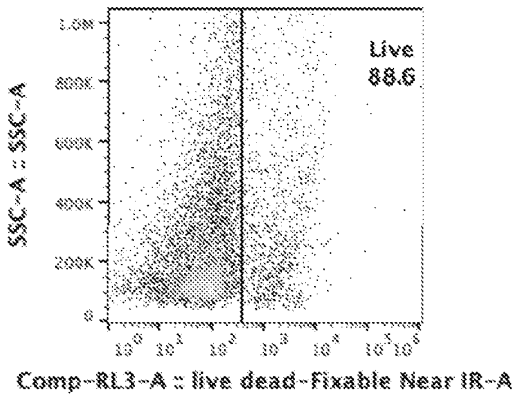
Stain 3
EpCAM- CK8-
59150

FIG. 6A



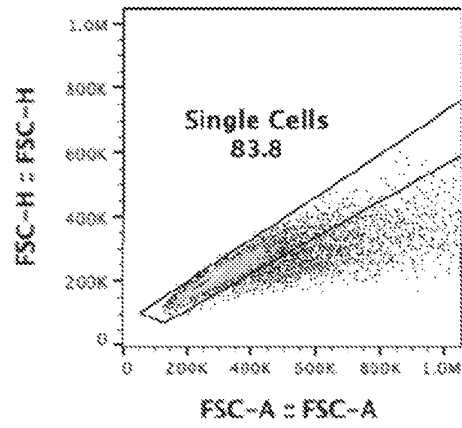
Stain 4
Ungated
29398

FIG. 6B



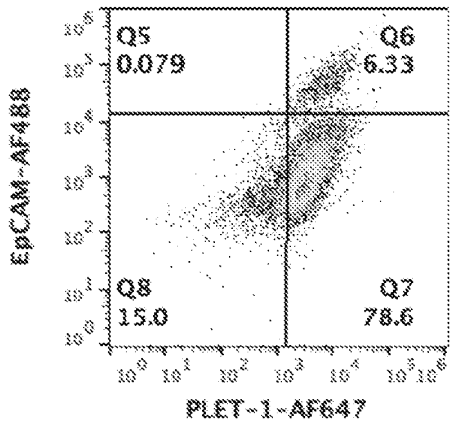
Stain 4
iPS-TEP
22280

FIG. 6C



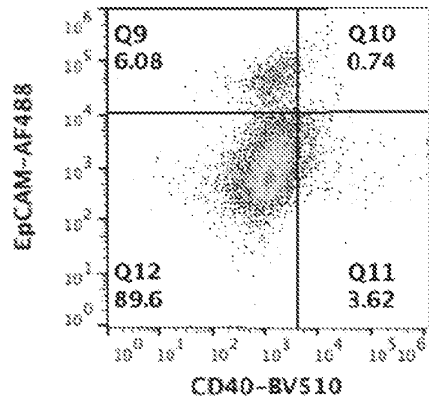
Stain 4
Live
19735

FIG. 6D



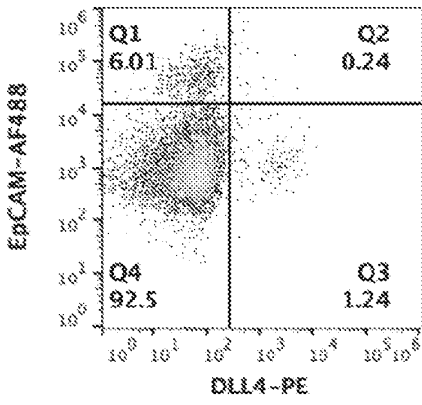
Stain 4
Single Cells
16534

FIG. 6E



Stain 4
Single Cells
16534

FIG. 6F



Stain 4
Single Cells
16534

FIG. 7

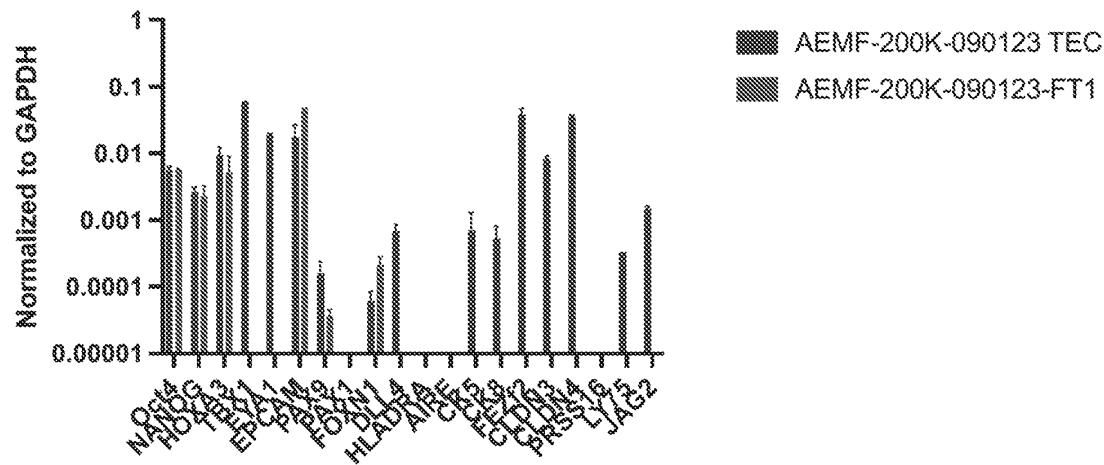


FIG. 8A

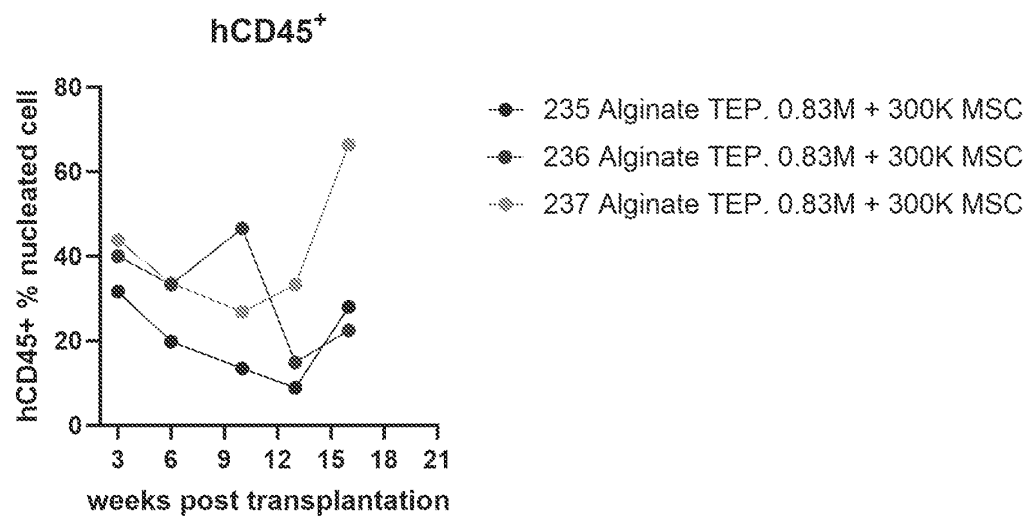


FIG. 8B

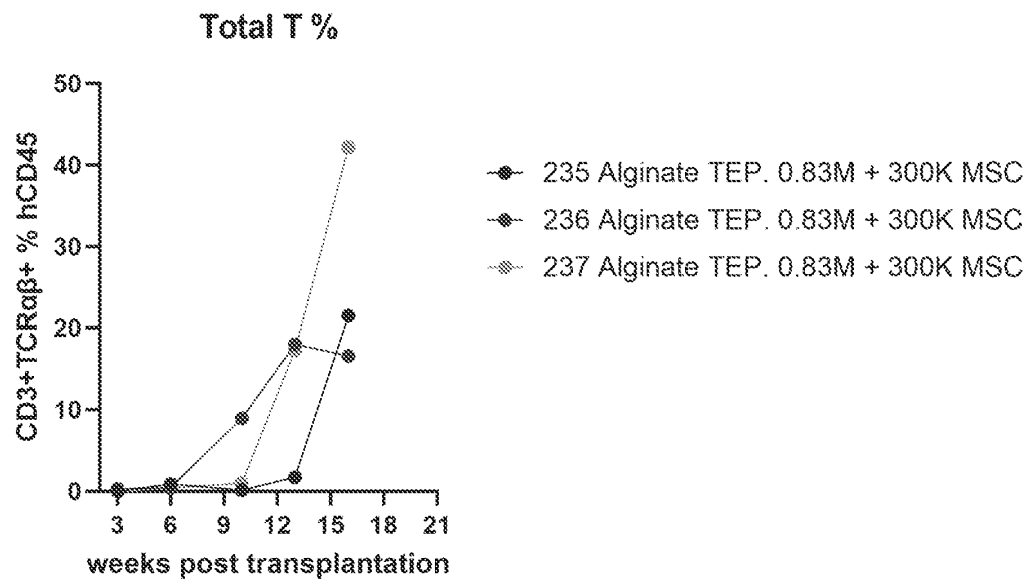


FIG. 8C (235 – Week 3)

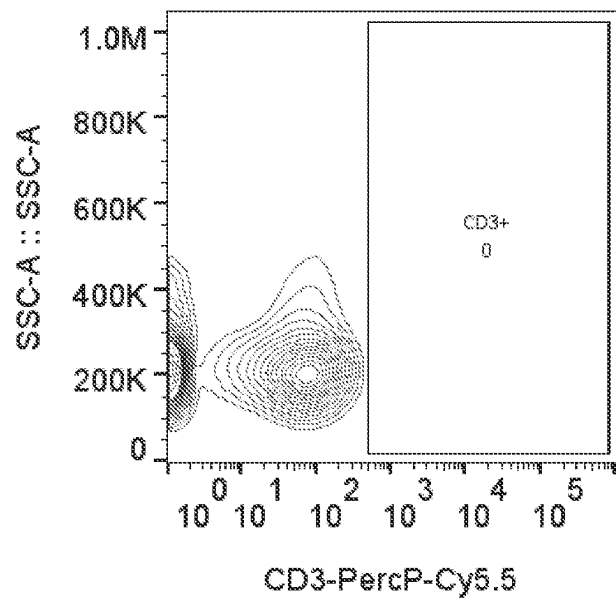


FIG. 8D (235 – Week 3)

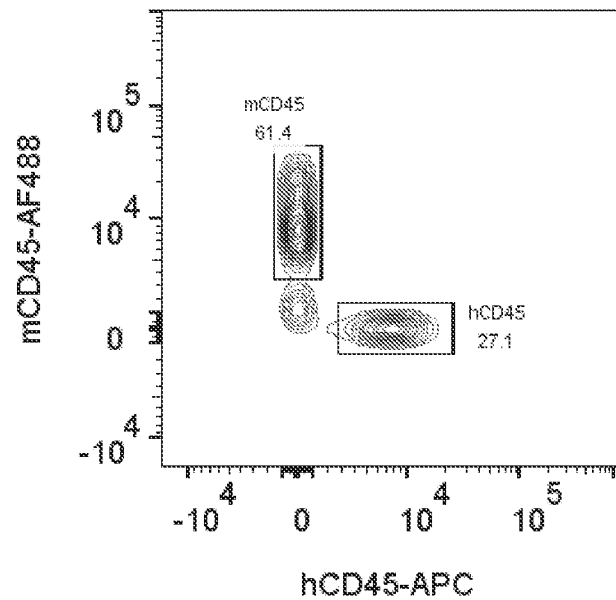


FIG. 8E (235 – Week 16)

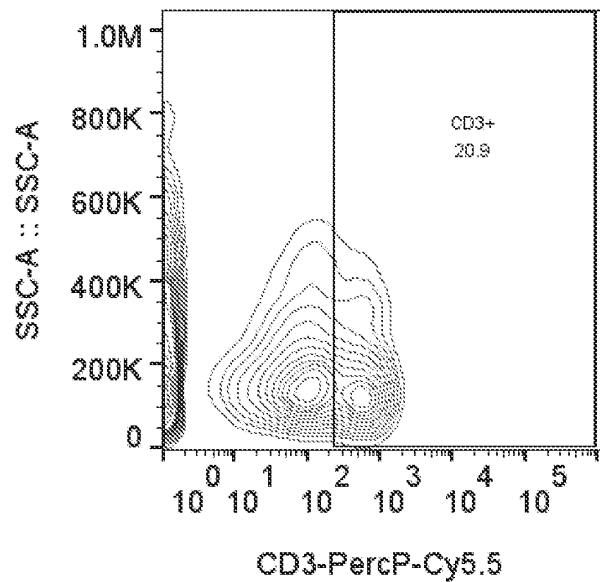


FIG. 8F (235 – Week 16)

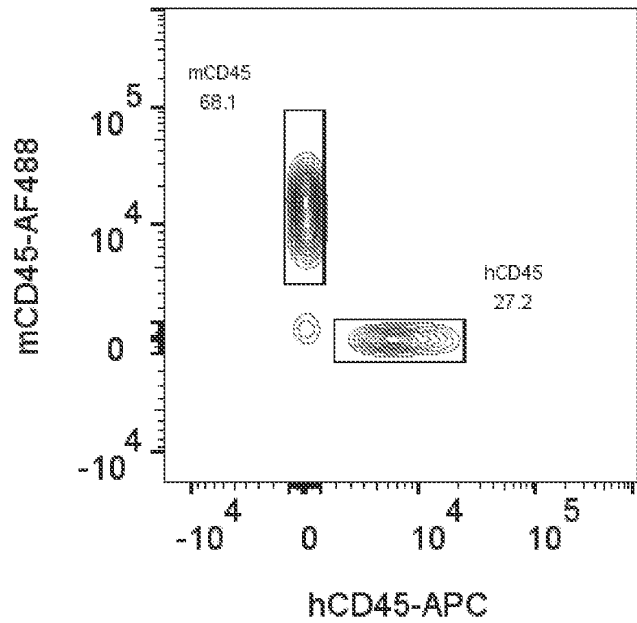


FIG. 8G (236 – Week 3)

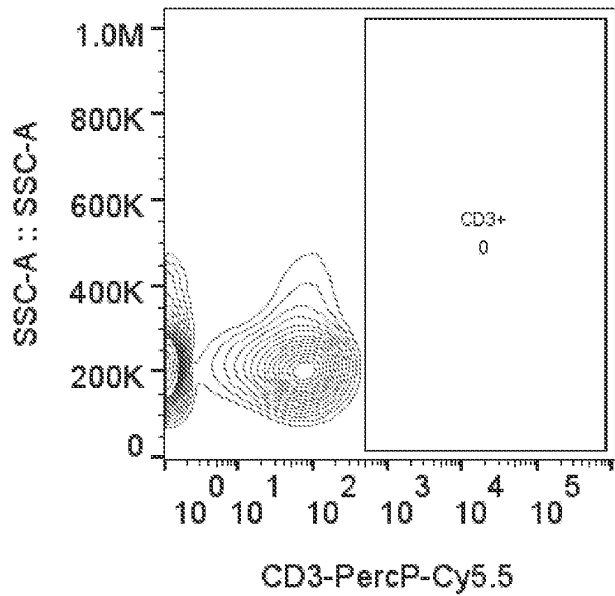


FIG. 8H (236 – Week 3)

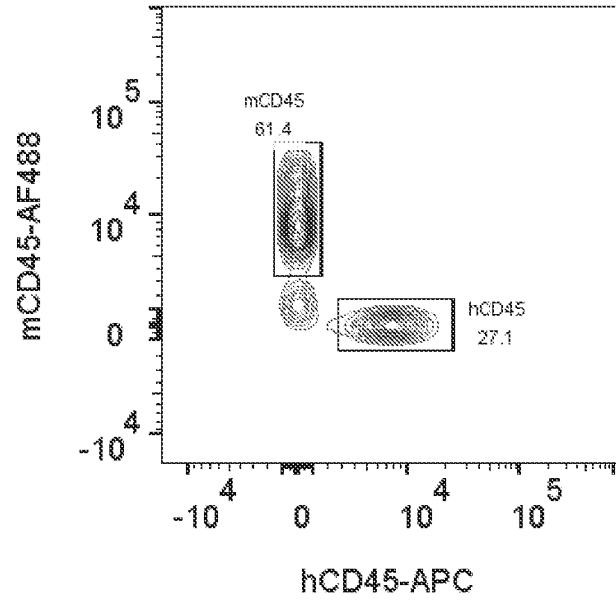


FIG. 8I (236 – Week 16)

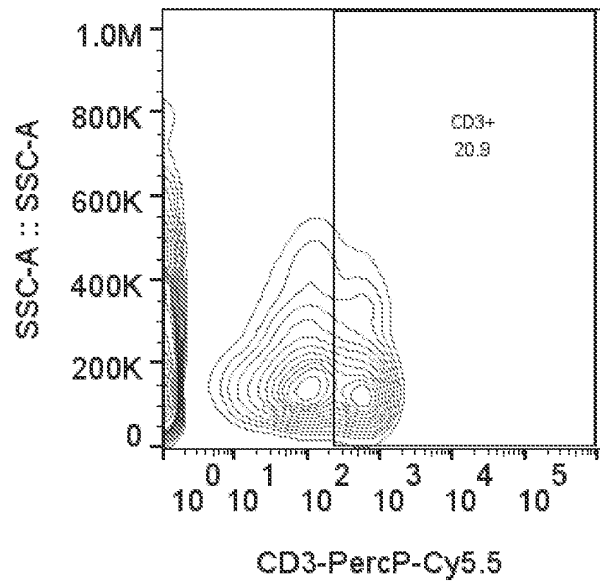


FIG. 8J (236 – Week 16)

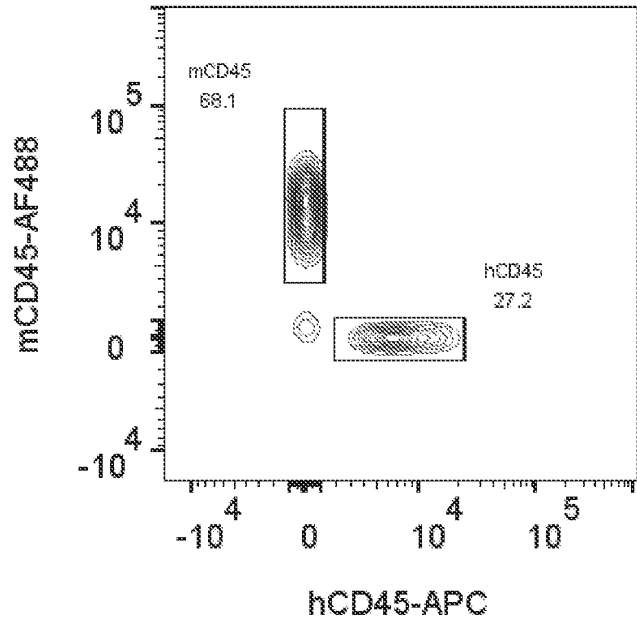


FIG. 8K (237 – Week 3)

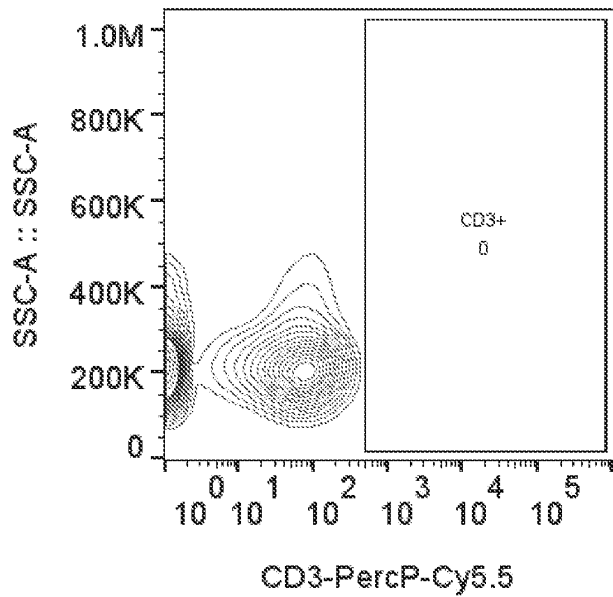


FIG. 8L (237 – Week 3)

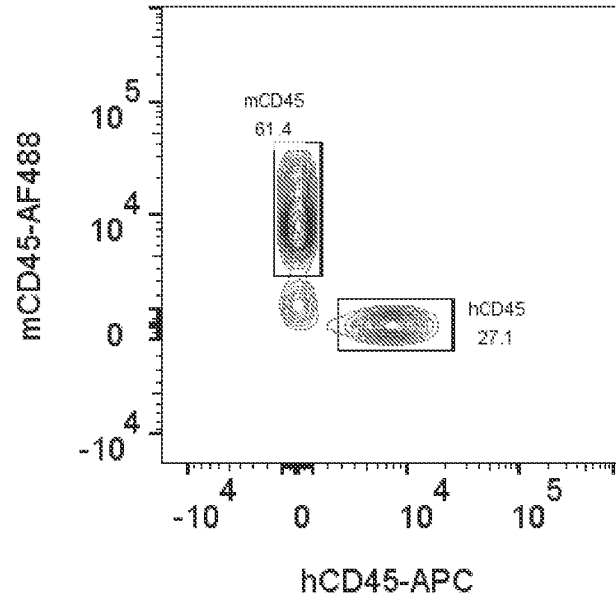


FIG. 8M (237 – Week 16)

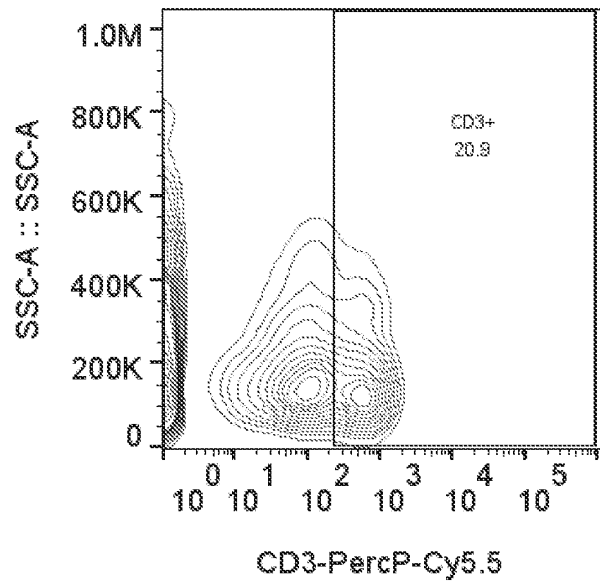


FIG. 8N (237 – Week 16)

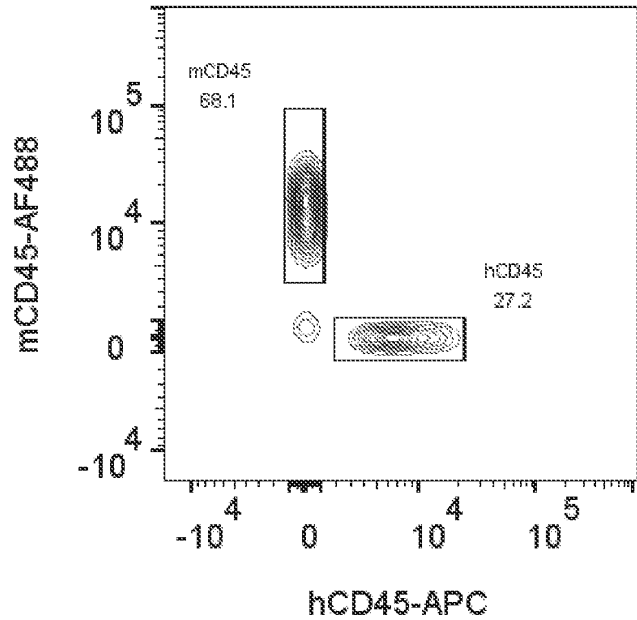


FIG. 9A

3D Differentiation from Single Cells

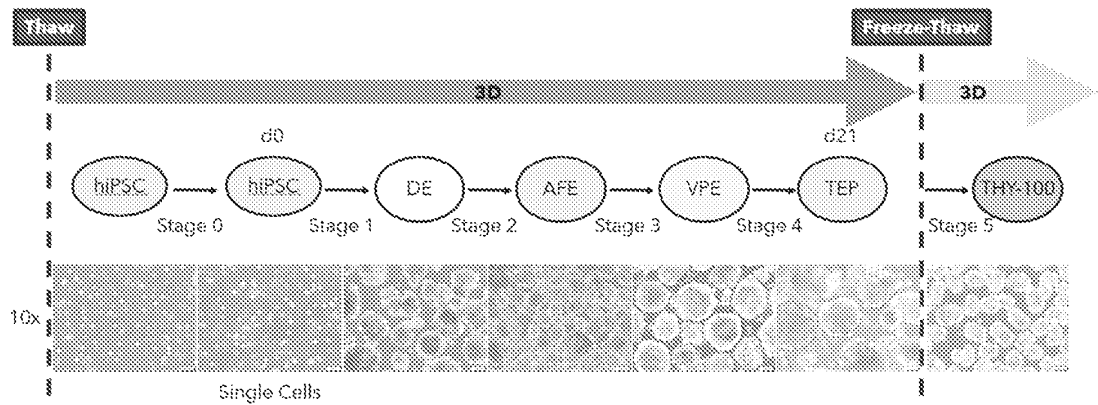


FIG. 9B

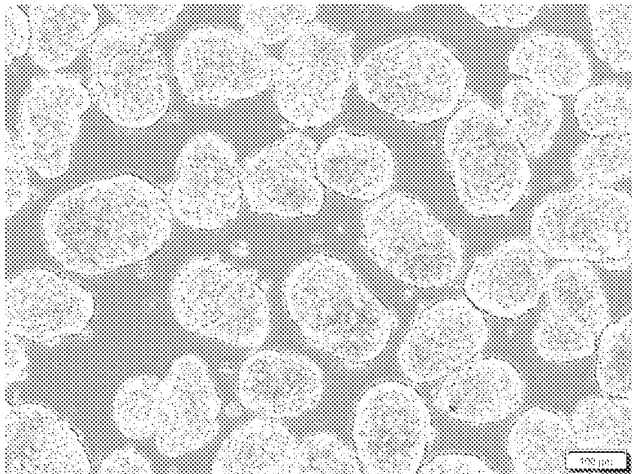


FIG. 9C

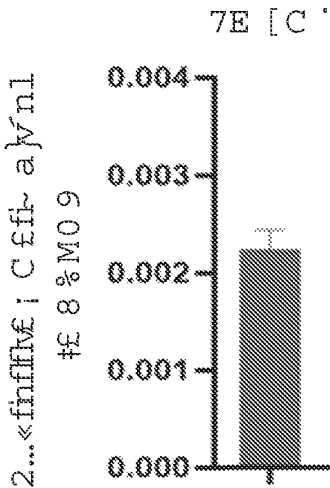


FIG. 9D

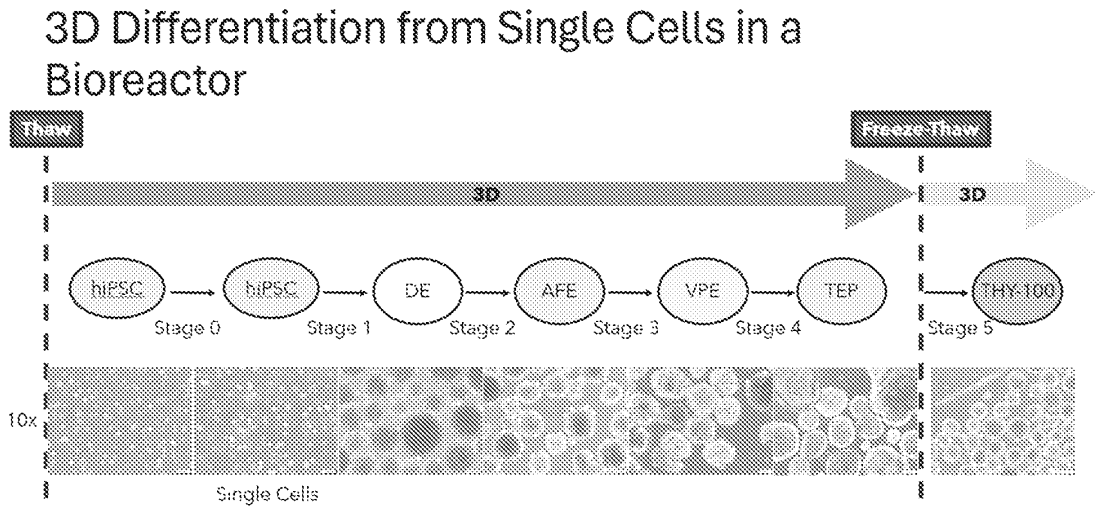


FIG. 9E

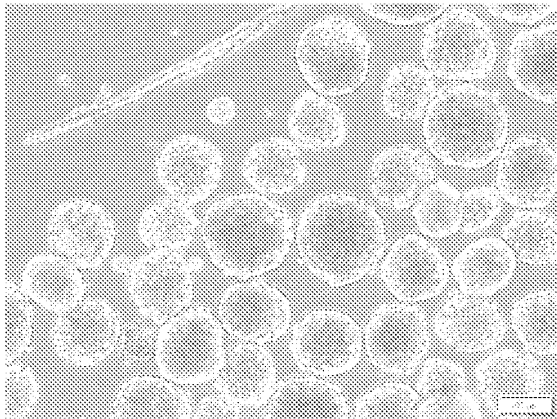


FIG. 9F

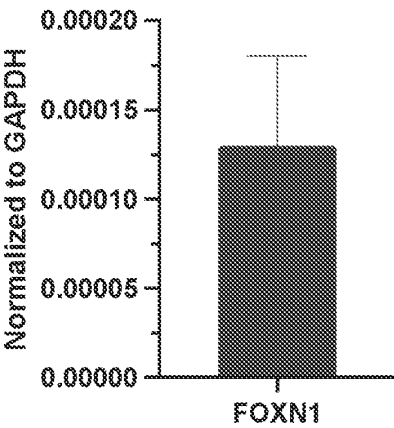


FIG. 9G

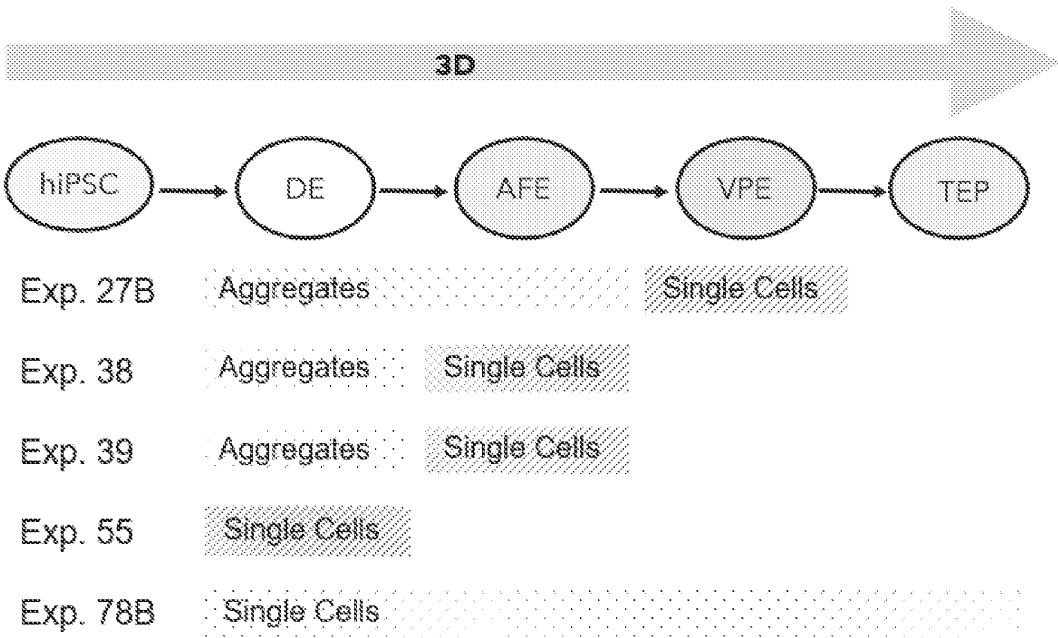


FIG. 10A

Hybrid (2D/3D) Differentiation from Aggregates

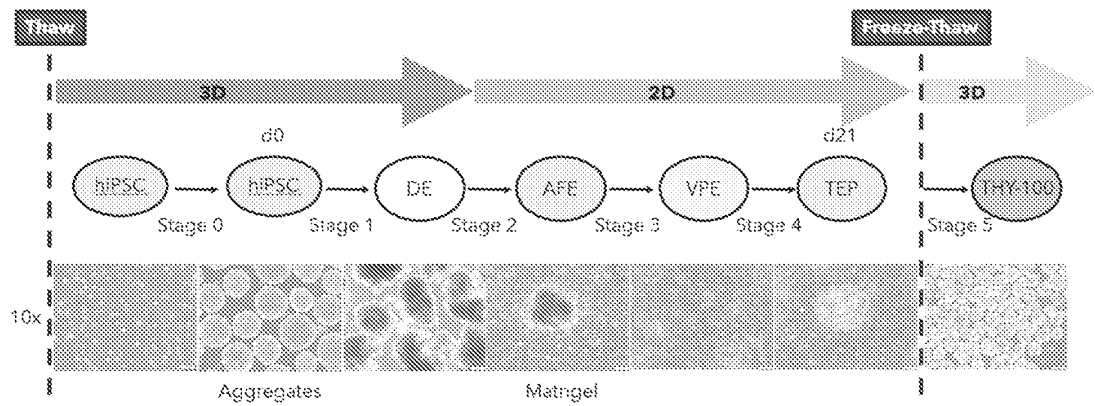


FIG. 10B

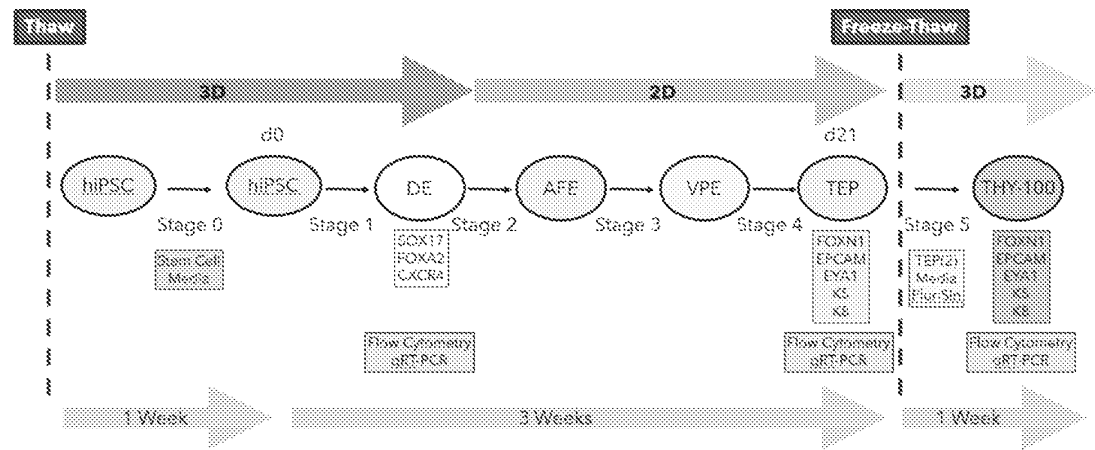
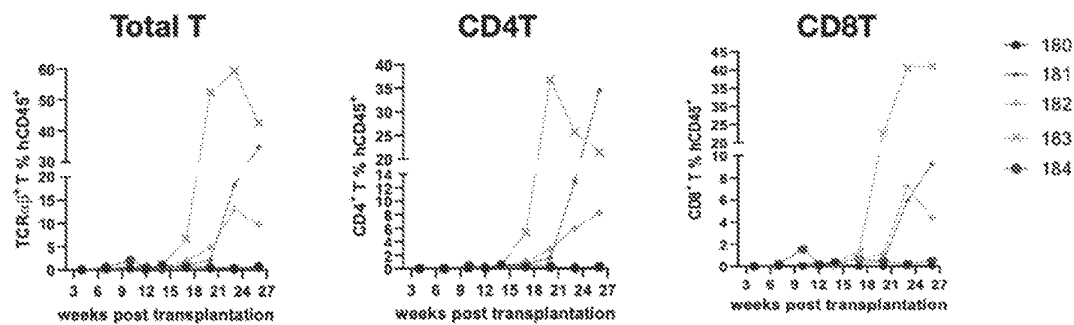
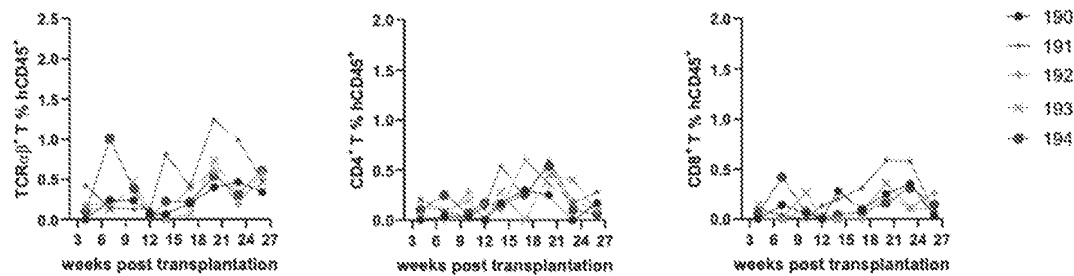


FIG. 10C



FOXN1/GAPDH Expression by hiPS-Derived TEPs In Vitro > 0.0001

FIG. 10D



FOXN1/GAPDH Expression by hiPS-Derived TEPs in vitro < 0.0001