Figure 1

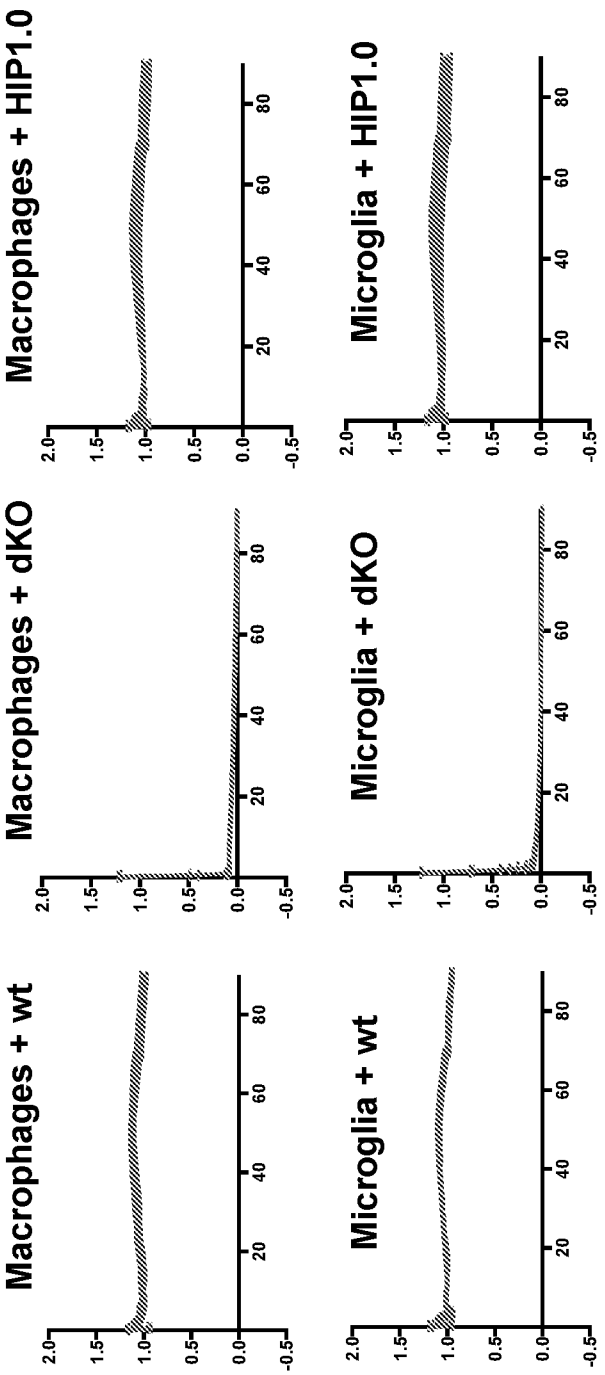
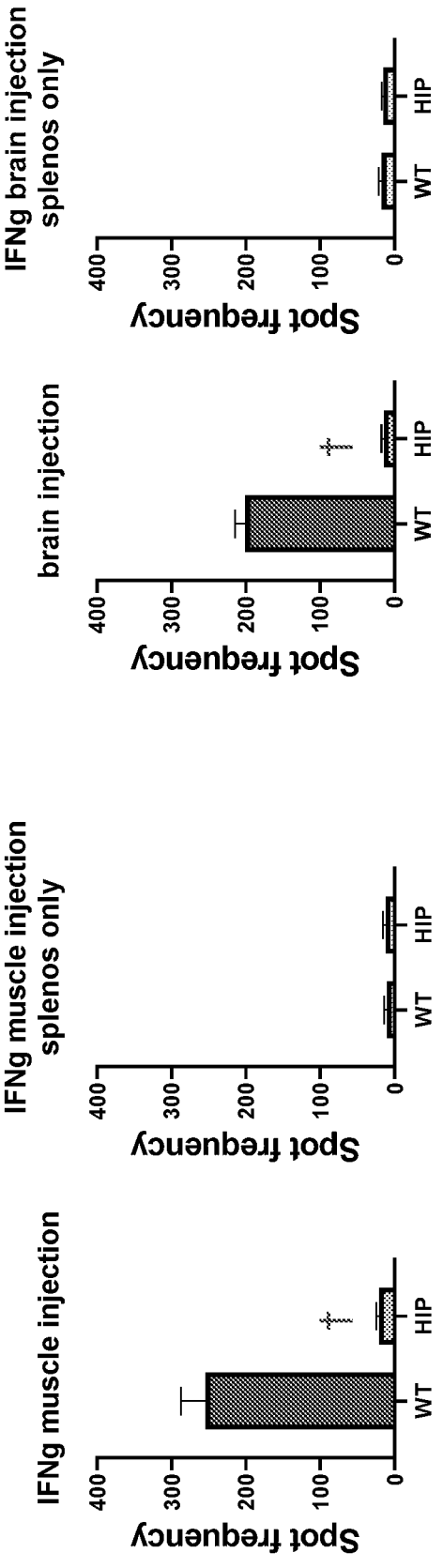

Macrophages + wt
Macrophages + dKO
Macrophages + HIP1.0
Microglia + wt
Microglia + dKO
Microglia + HIP1.0
2.0
1.5
1.0
0.5
0.0
-0.5
20
40
60
80

Figure 2

Elispot Assay IFNg



unpaired T-Test † p<0.01

Figure 3

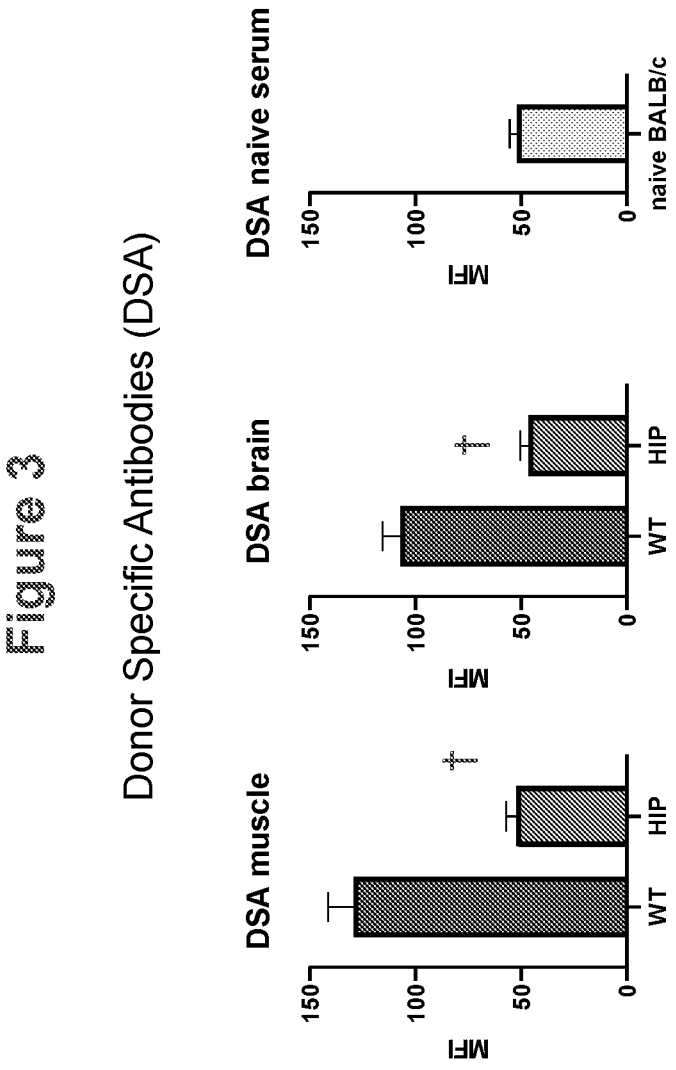

Donor Specific Antibodies (DSA)
DSA muscle
DSA brain
DSA naive serum
MFI
150
100
50
0
WT
HIP
naive BALB/c
†
unpaired T-Test † p<0.01

Figure 4

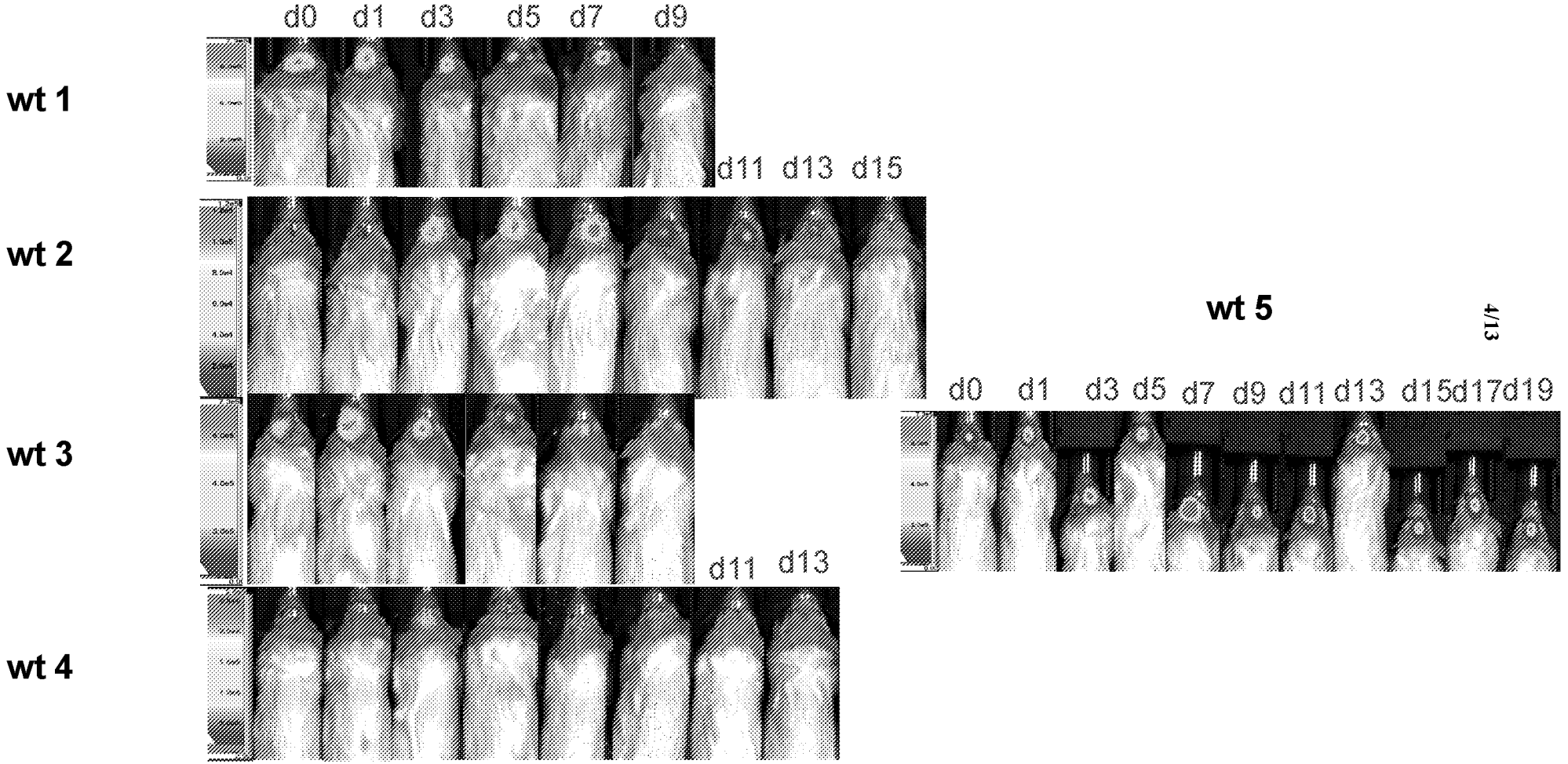

d0 d1 d3 d5 d7 d9
wt 1
d11 d13 d15
wt 2
wt 3
d11 d13
wt 4
wt 5
d0 d1 d3 d5 d7 d9 d11 d13 d15 d17 d19

Figure 5

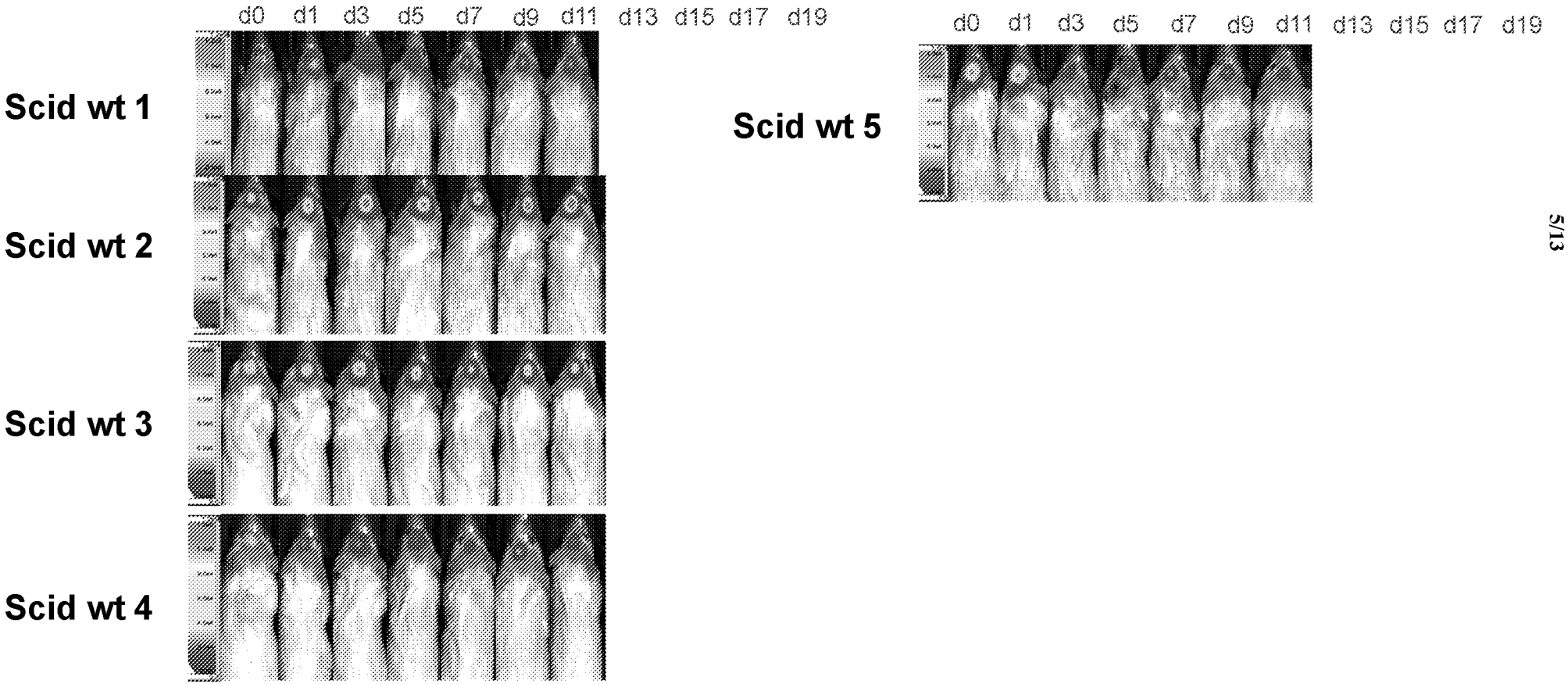
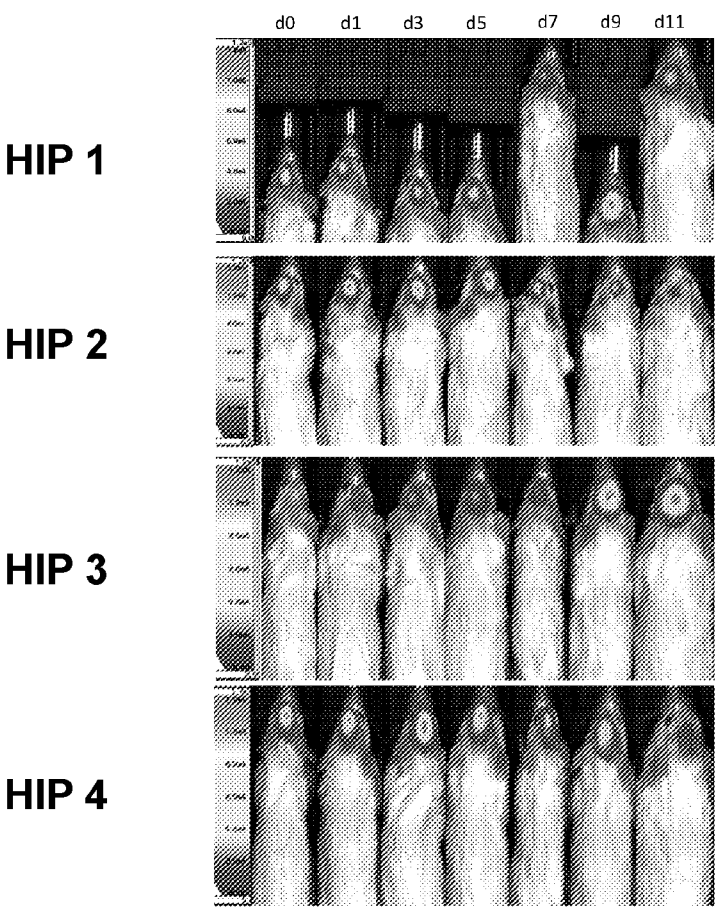

d0 d1 d3 d5 d7 d9 d11 d13 d15 d17 d19
Scid wt 1
Scid wt 2
Scid wt 3
Scid wt 4
d0 d1 d3 d5 d7 d9 d11 d13 d15 d17 d19
Scid wt 5

Figure 6


d0
d1
d3
d5
d7
d9
d11
HIP 1
HIP 2
HIP 3
HIP 4

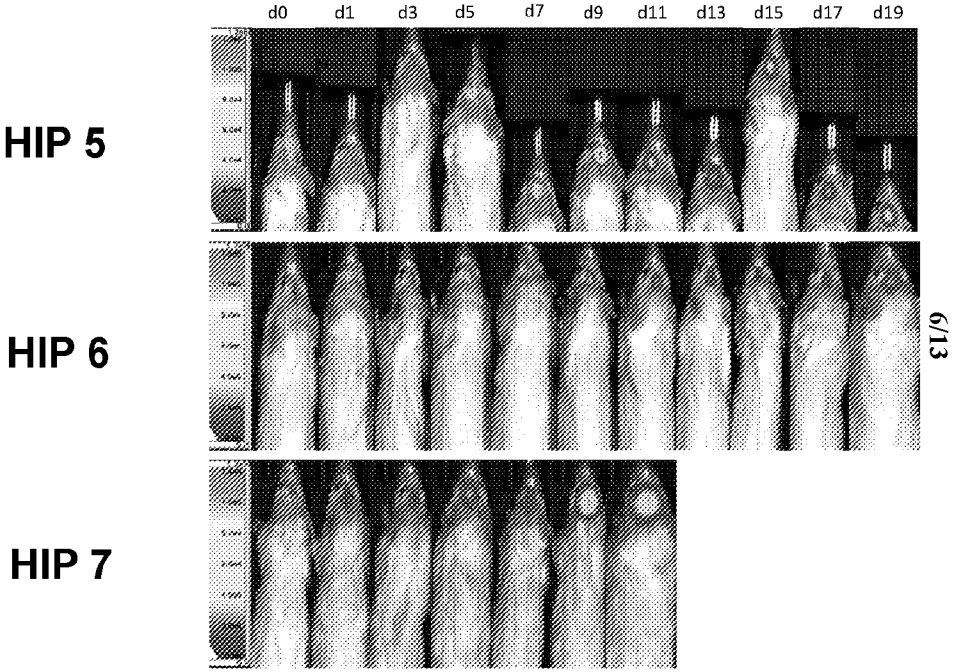
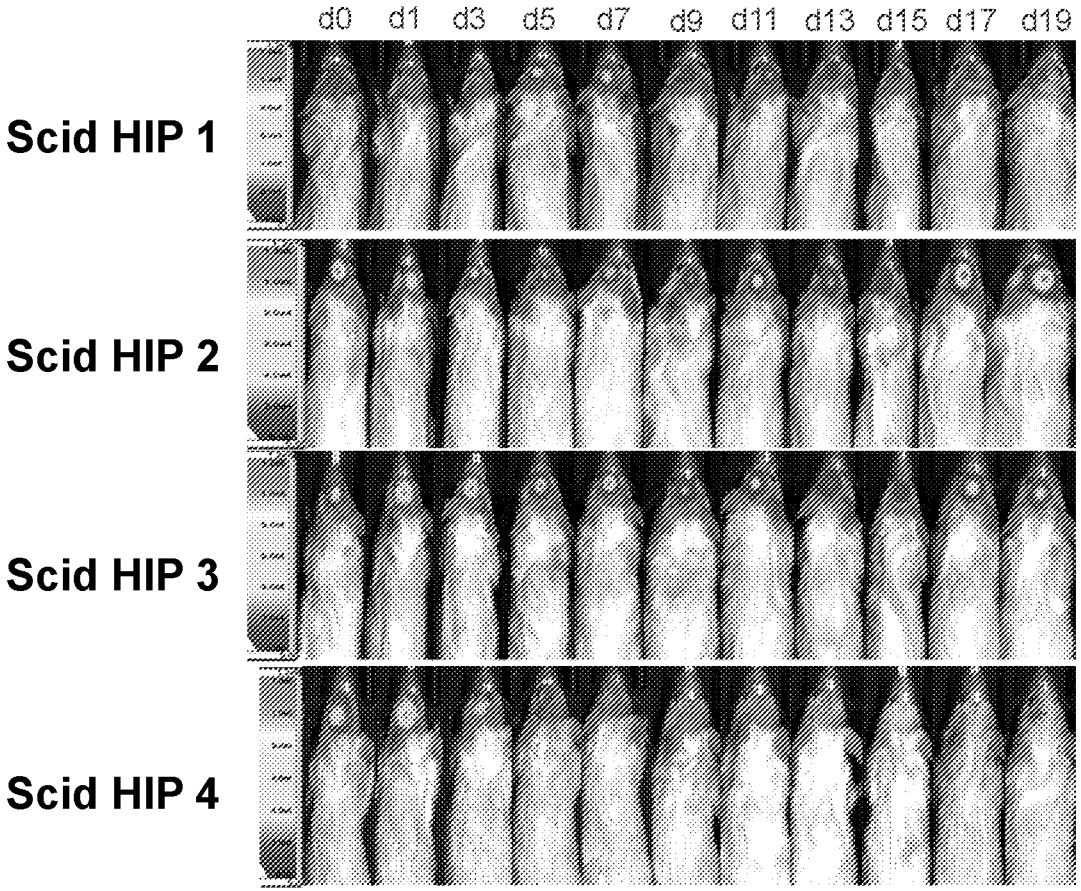

d0
d1
d3
d5
d7
d9
d11
d13
d15
d17
d19
HIP 5
HIP 6
HIP 7

Figure 7


d0 d1 d3 d5 d7 d9 d11 d13 d15 d17 d19
Scid HIP 1
Scid HIP 2
Scid HIP 3
Scid HIP 4

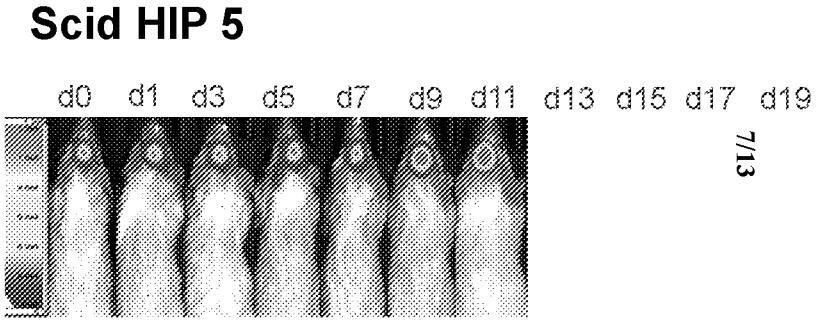
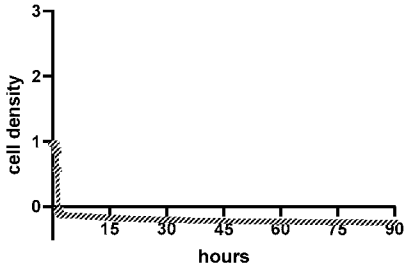

Scid HIP 5
d0 d1 d3 d5 d7 d9 d11 d13 d15 d17 d19

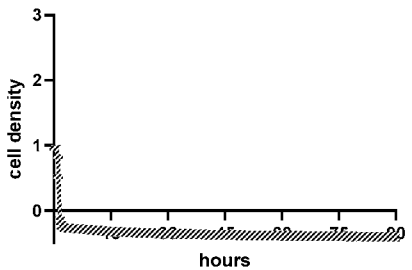
Figure 8A

Allogeneic

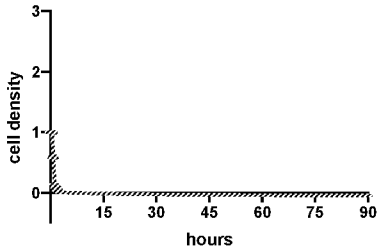
Human Macrophages + human dKO



Mouse Microglia + mouse dKO



Human Microglia + human dKO



Mouse Microglia + mouse dKO

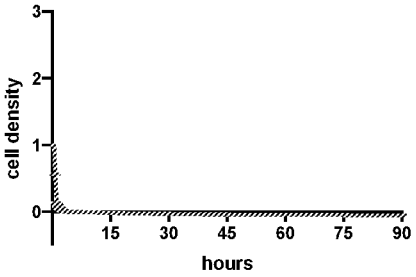
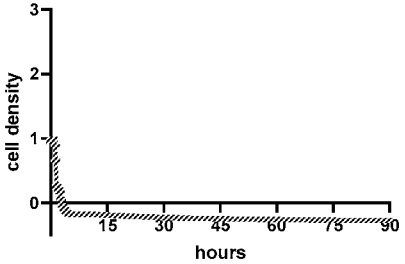


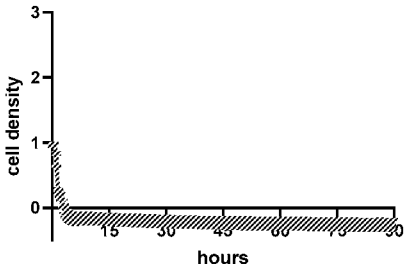
Figure 8B

Xenogeneic (cross-species)

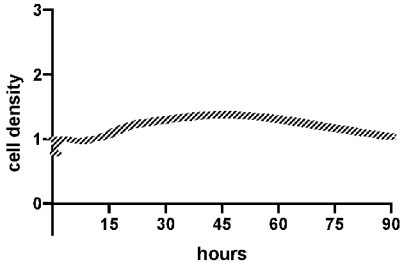
Human Macrophages + mouse dKO



Mouse Microglia + human dKO



Human Microglia + mouse dKO



Mouse Microglia + human dKO

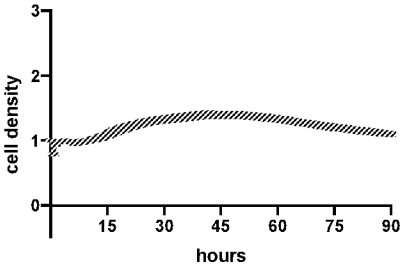


Figure 9

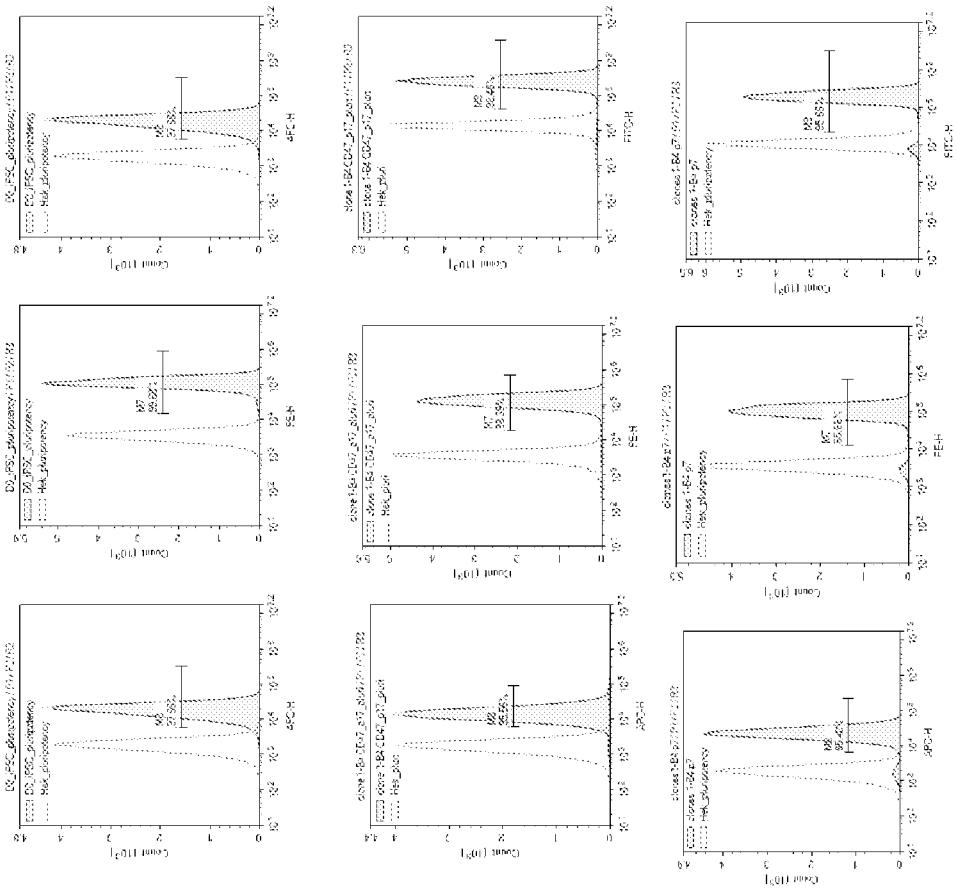


Figure 10

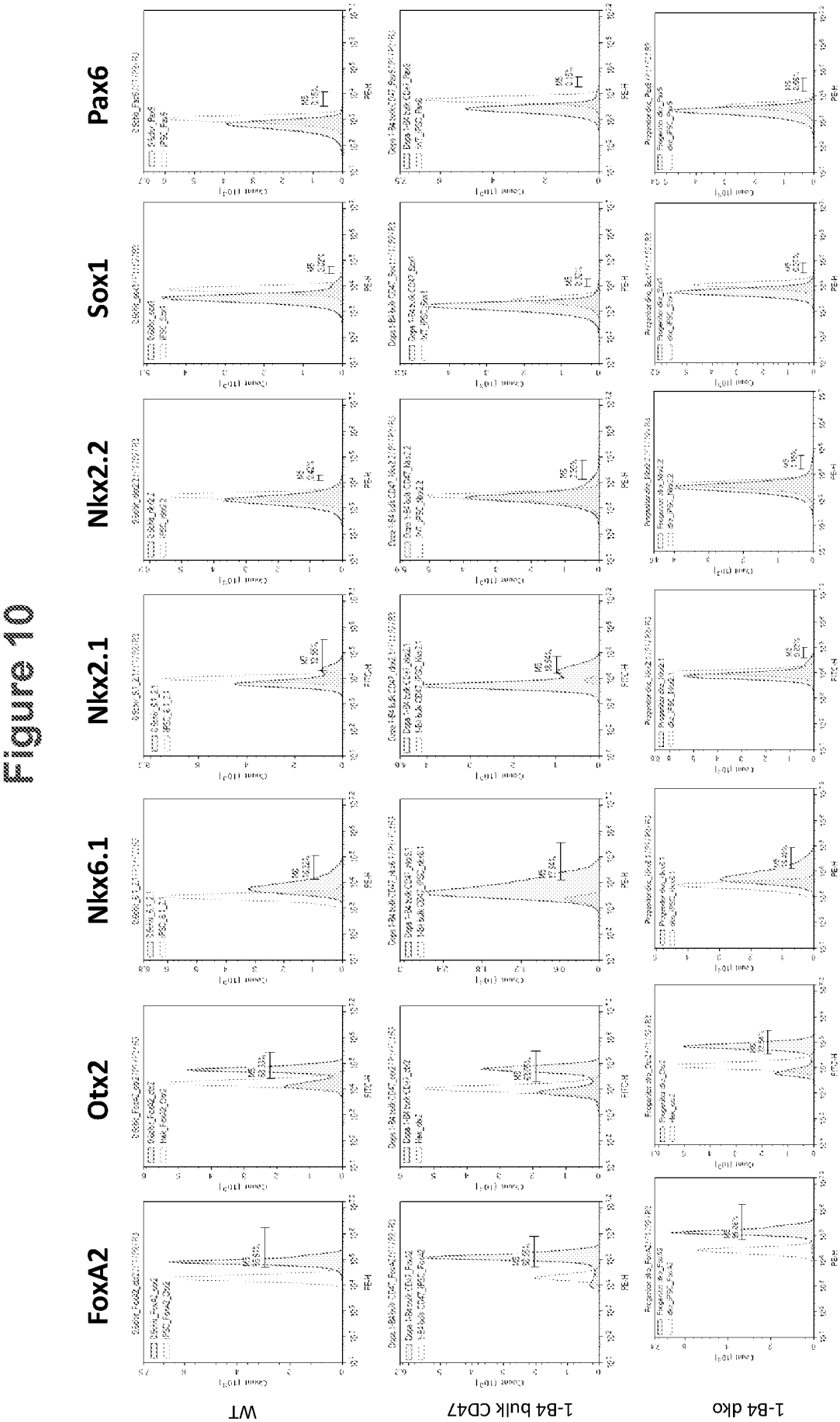
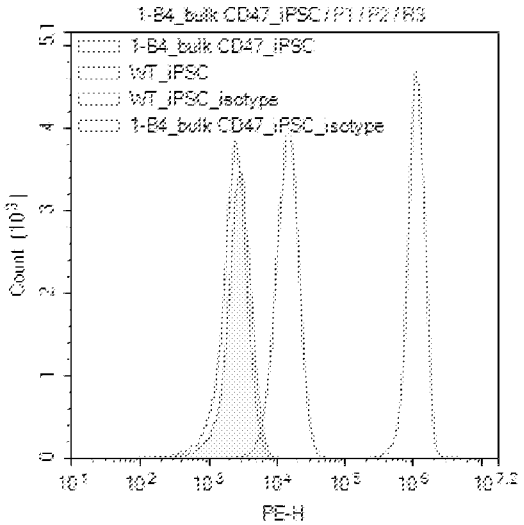
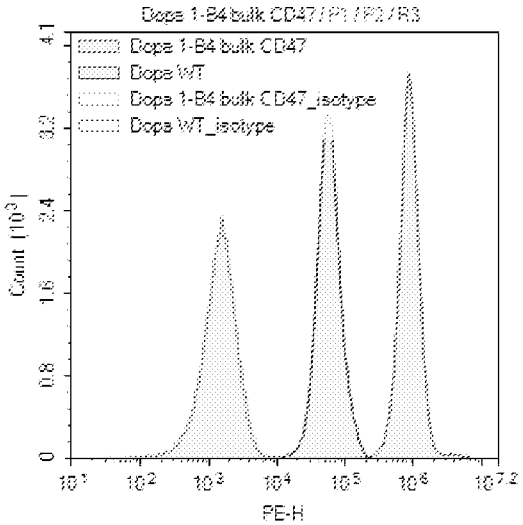

FoxA2
Otx2
Nkx6.1
Nkx2.1
Nkx2.2
Sox1
Pax6
WT
1-B4 bulk CD47
1-B4 dko

Figure 11

iPSC



Progenitor

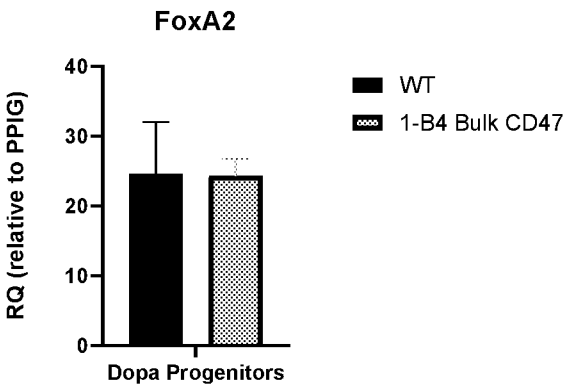


Fold Change over WT	Fold
iPSC	77.82
Dopa Progenitor	15.25

Fold Change over isotype	Fold
WT iPSC	5.96
1-B4 iPSC	396.43
WT Dopa Progenitor	39.01
1-B4 Progenitor	599.67

Figure 12A

Progenitor



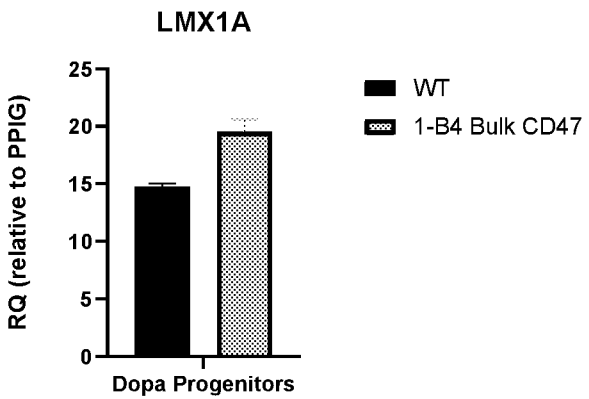


Figure 12B

1-week neuronal maturation

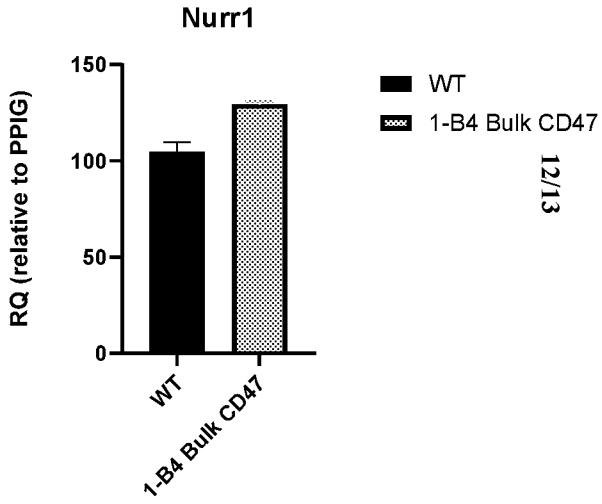
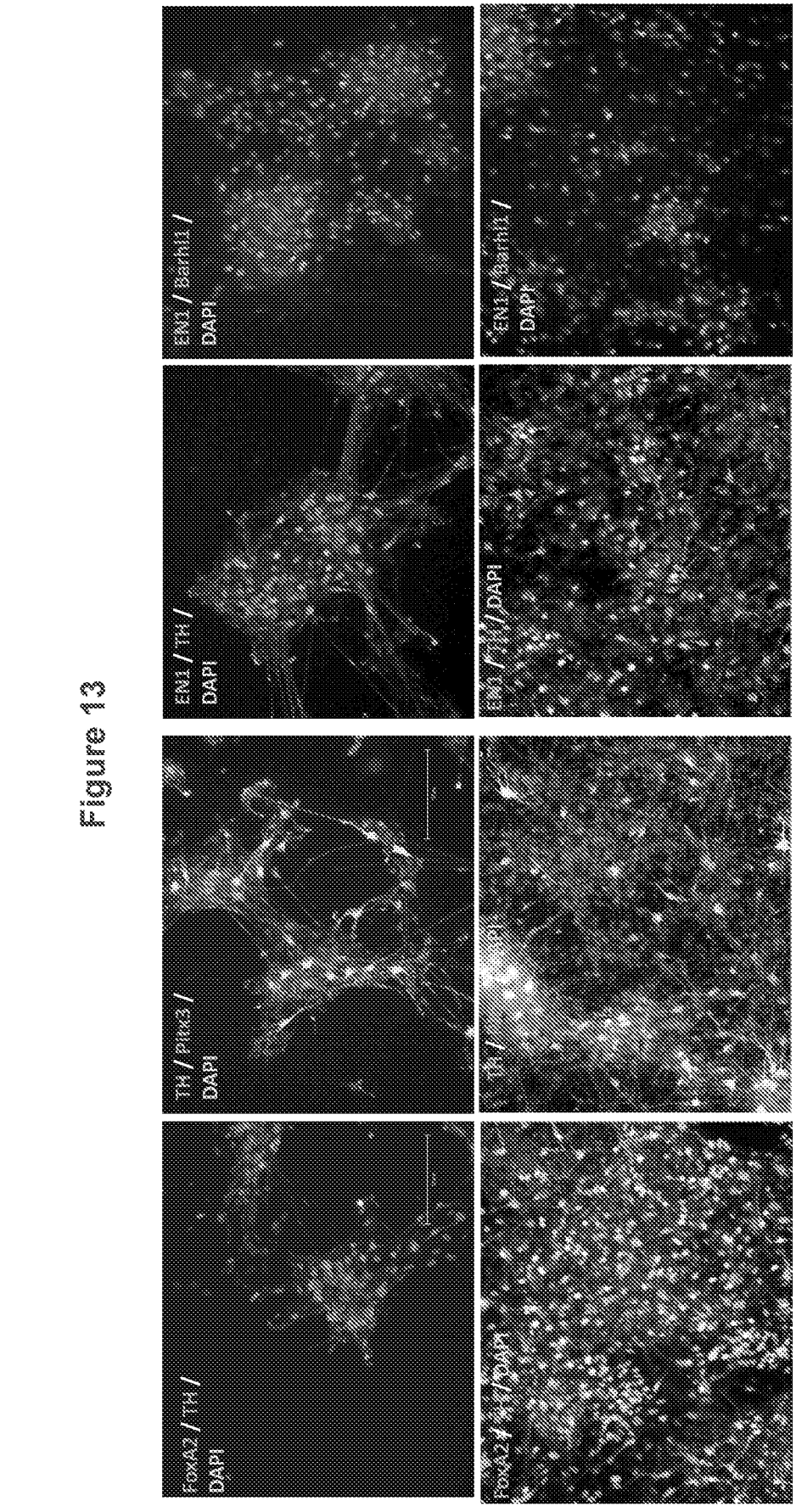


Figure 13


FoxA2 / TH / DAPI
TH / Pitx3 / DAPI
EN1 / TH / DAPI
EN1 / Barhl1 / DAPI
WT
1-B4 CD47 Bulk