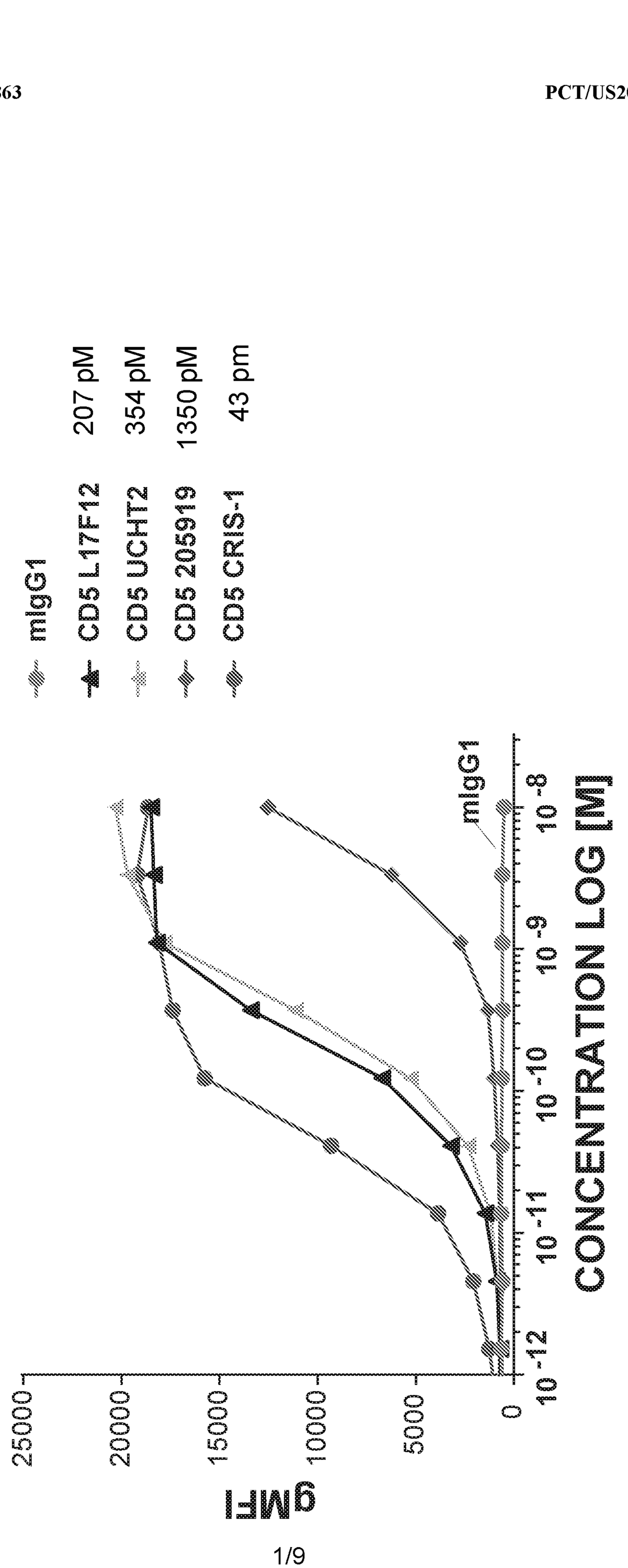

EC50
mIgG1 207 pM
CD5 L17F12 354 pM
CD5 UCHT2 350 pM
CD5 20519 1
CD5 CRIS-1 43 pm
mIgG1
CONCENTRATION LOG IMT
10 -8
10 -9
10 -10
10 -11
10 -12
0
5000
10000
15000
20000
25000
gMFI

FIG. 1

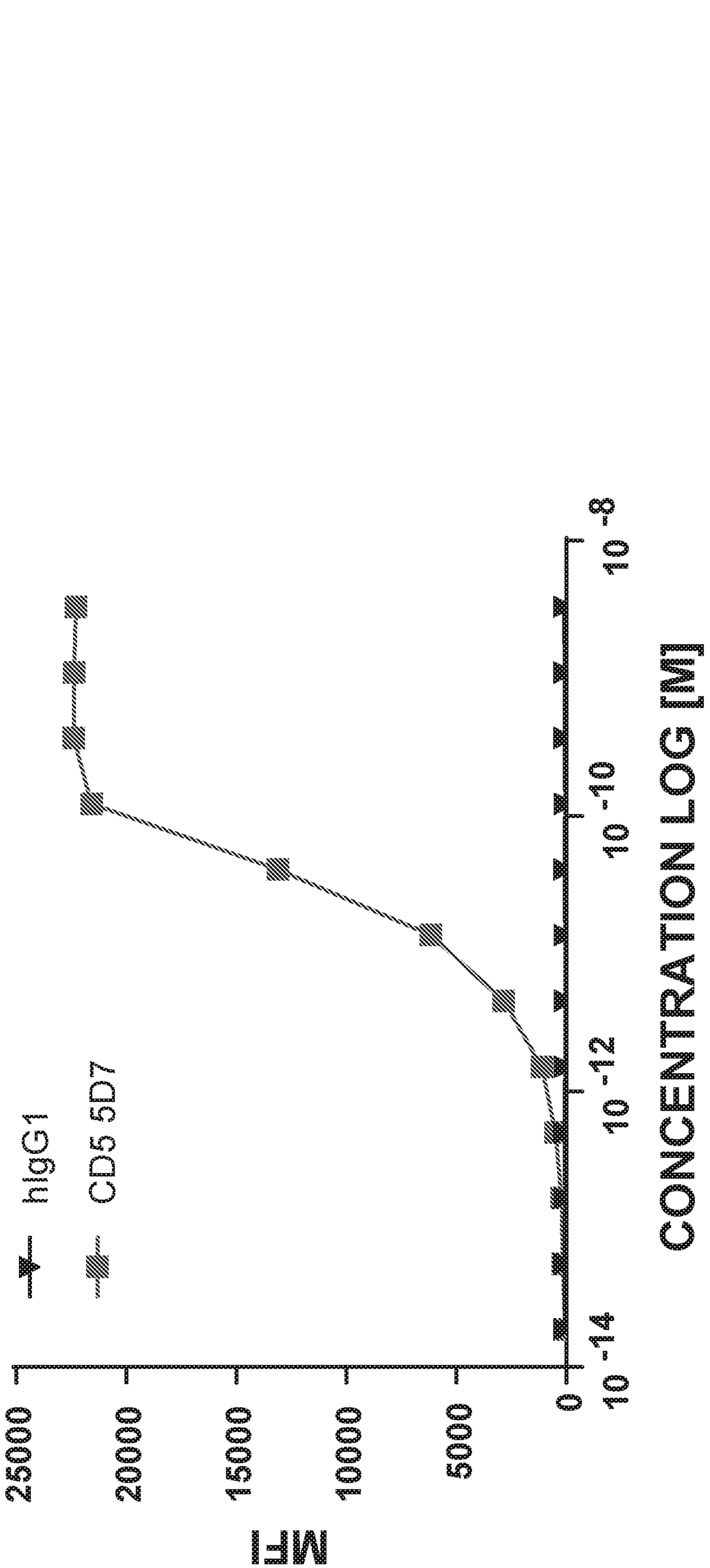

hIgG1
CD5 5D7
MFI
25000
20000
15000
10000
5000
0
CONCENTRATION LOG [M]
10 -8
10 -10
10 -12
10 -14

FIG. 2

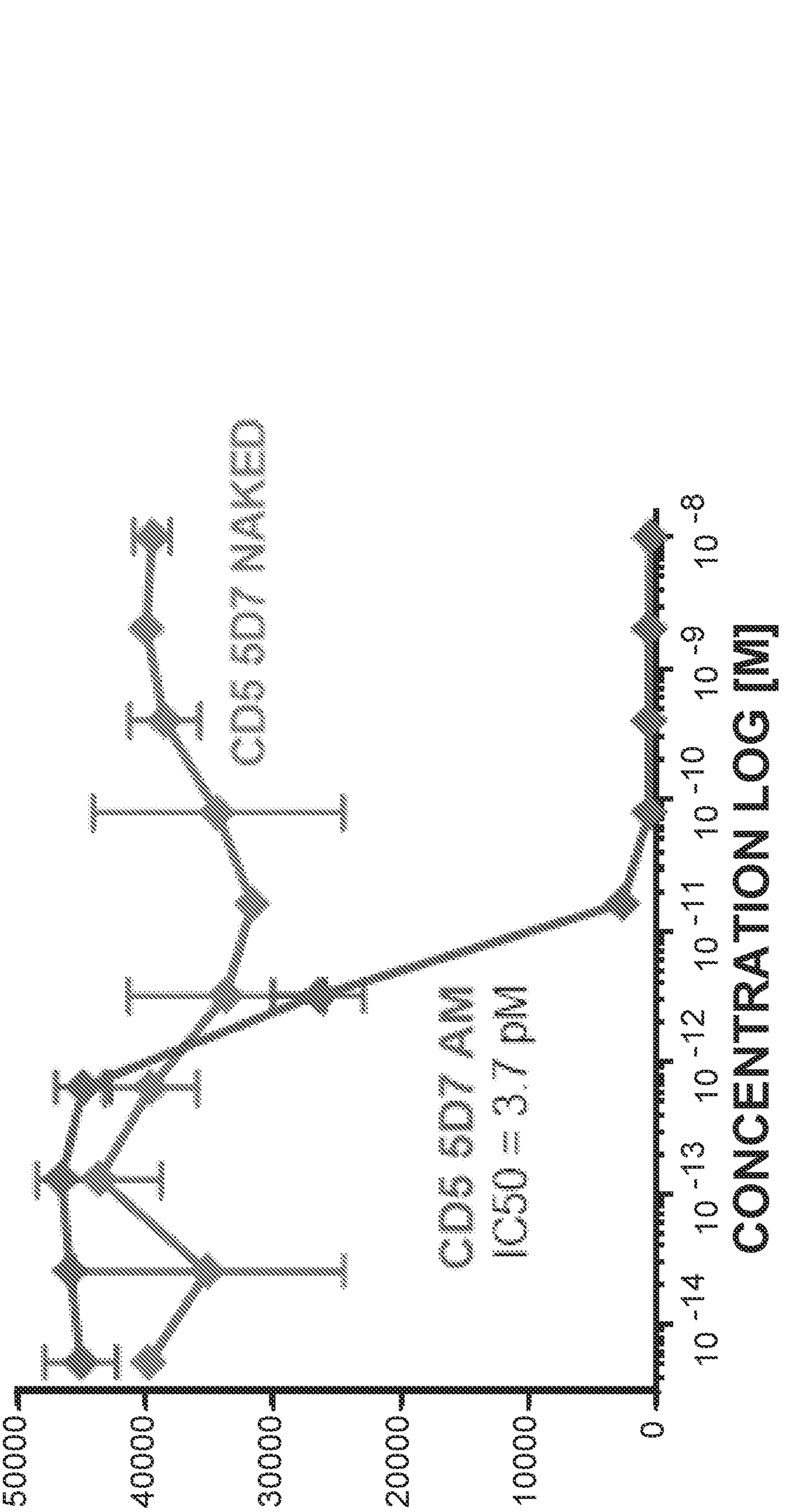

CD5 SDZ MED
CD5 SDZ AM
IC50 = 3.7 pM
LIVE CELL COUNTS
50000
40000
30000
20000
10000
0
10 -14
10 -13
10 -12
10 -11
10 -10
10 -9
10 -8
CONCENTRATION LOG IM

FIG. 3A

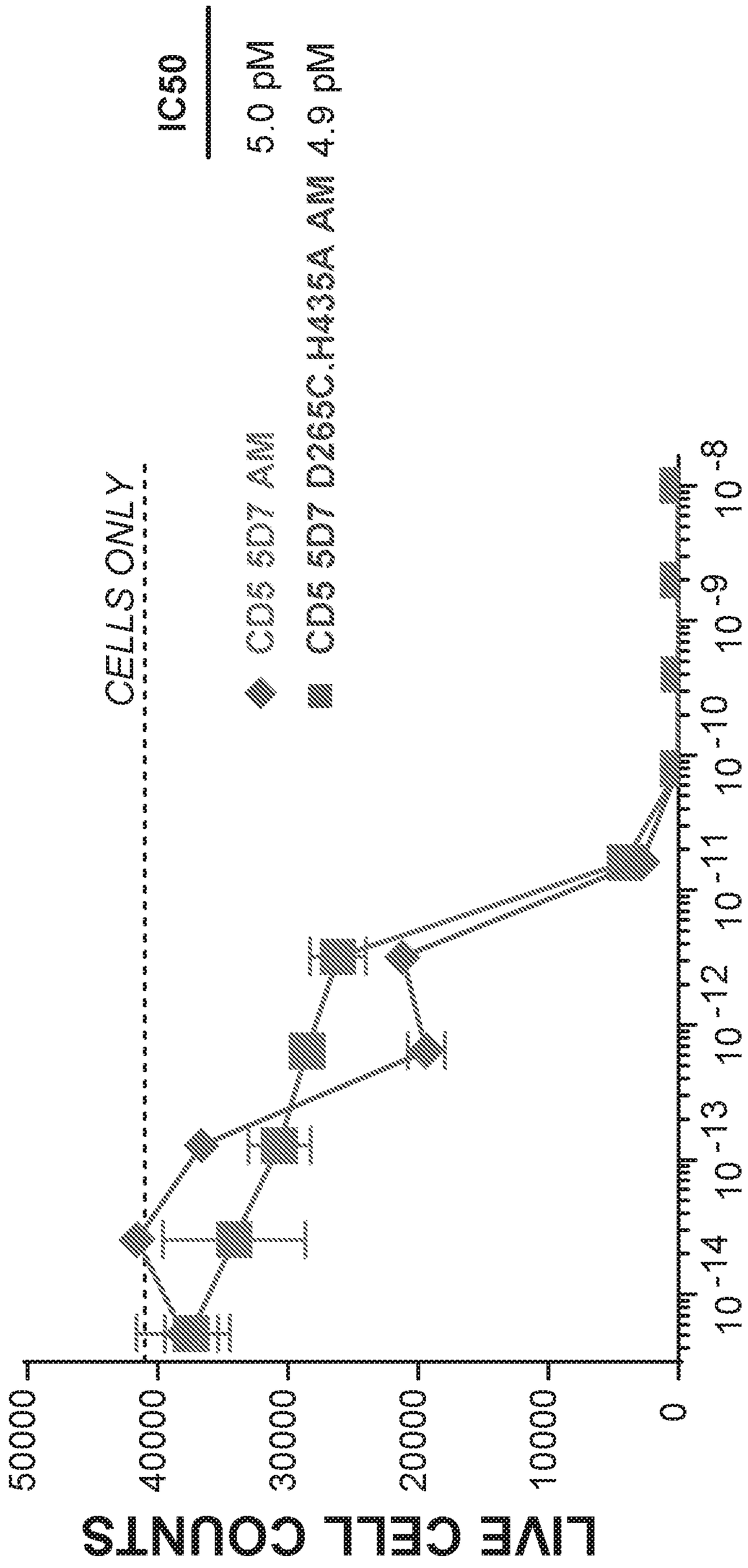

IC50
5.0 pM
4.9 pM
CELLS ONLY
CD5 5D7 AM
CD5 5D7 D265C.H435A AM
LIVE CELL COUNTS
50000
40000
30000
20000
10000
0
CONCENTRATION [M]
10^-14
10^-13
10^-12
10^-11
10^-10
10^-9
10^-8

FIG. 3B

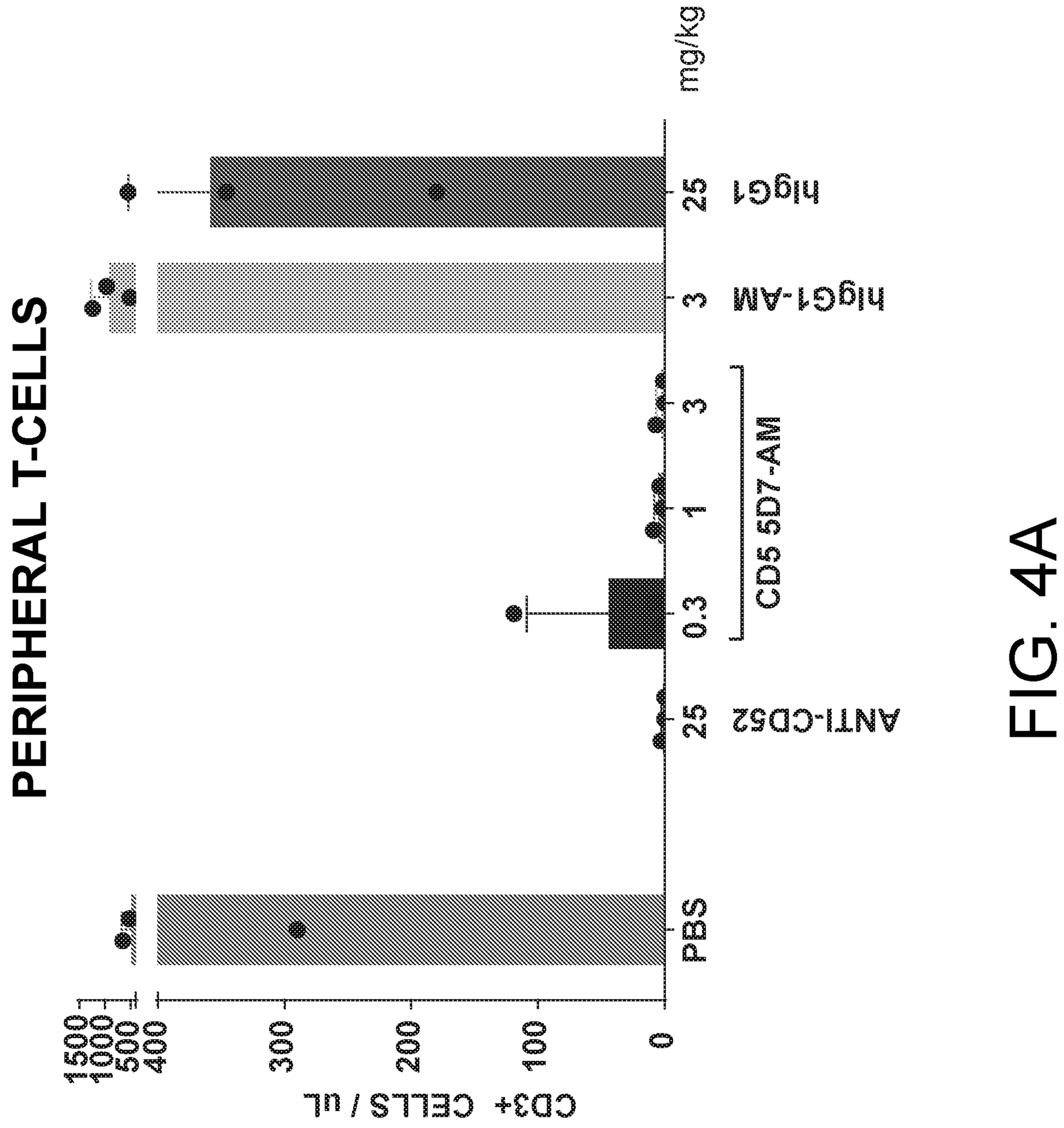


FIG. 4A

REPLACEMENT SHEET
SUBSTITUTE SHEET (RULE 26)

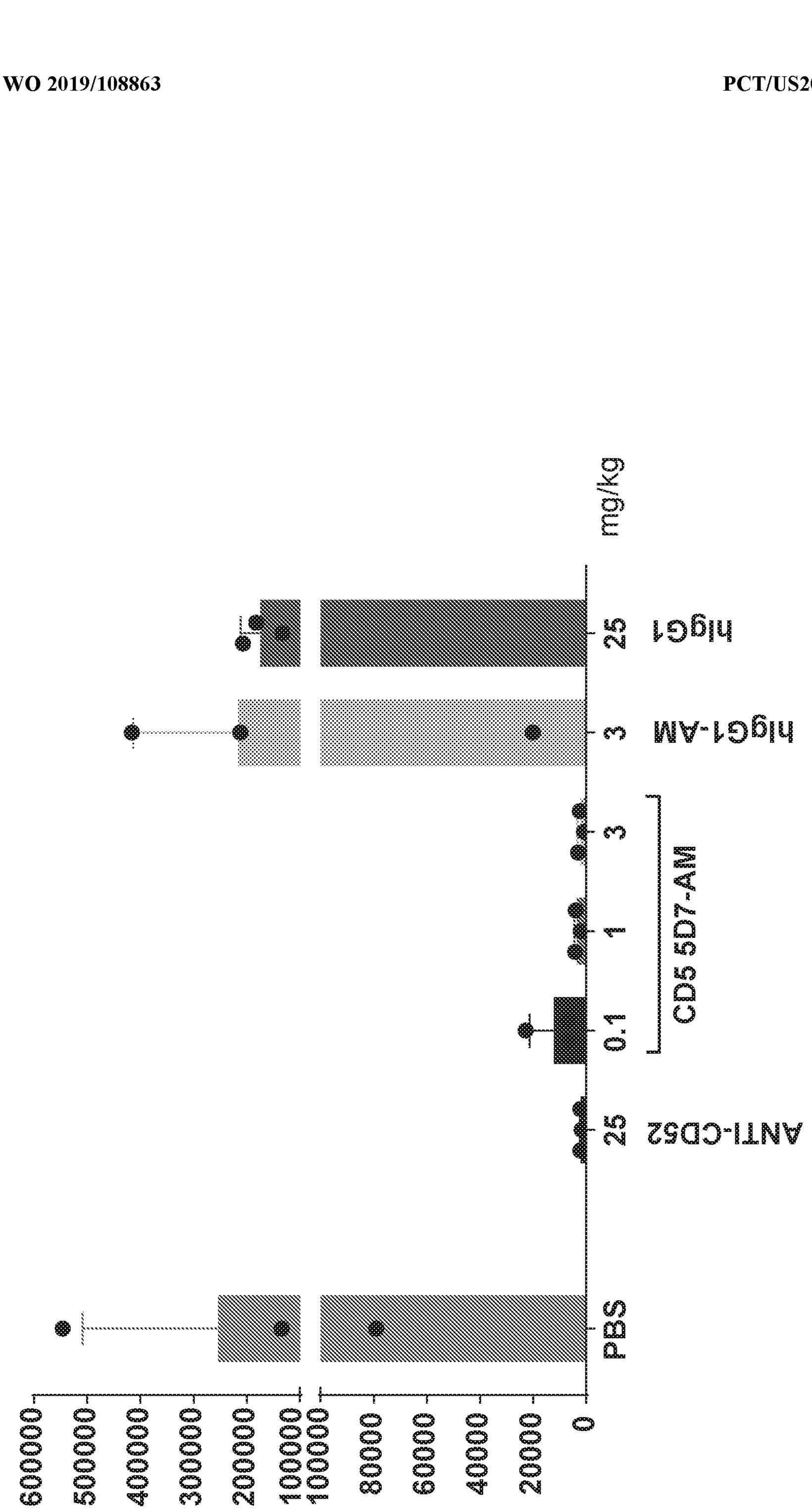

CD3+ CELLS / FEMUR
600000
500000
400000
300000
200000
100000
100000
80000
60000
40000
20000
0
PBS
ANTI-CD52
25
0.1
1
3
CD5 5D7-AM
3
hIgG1-AM
25
hIgG1
mg/kg

FIG. 4B

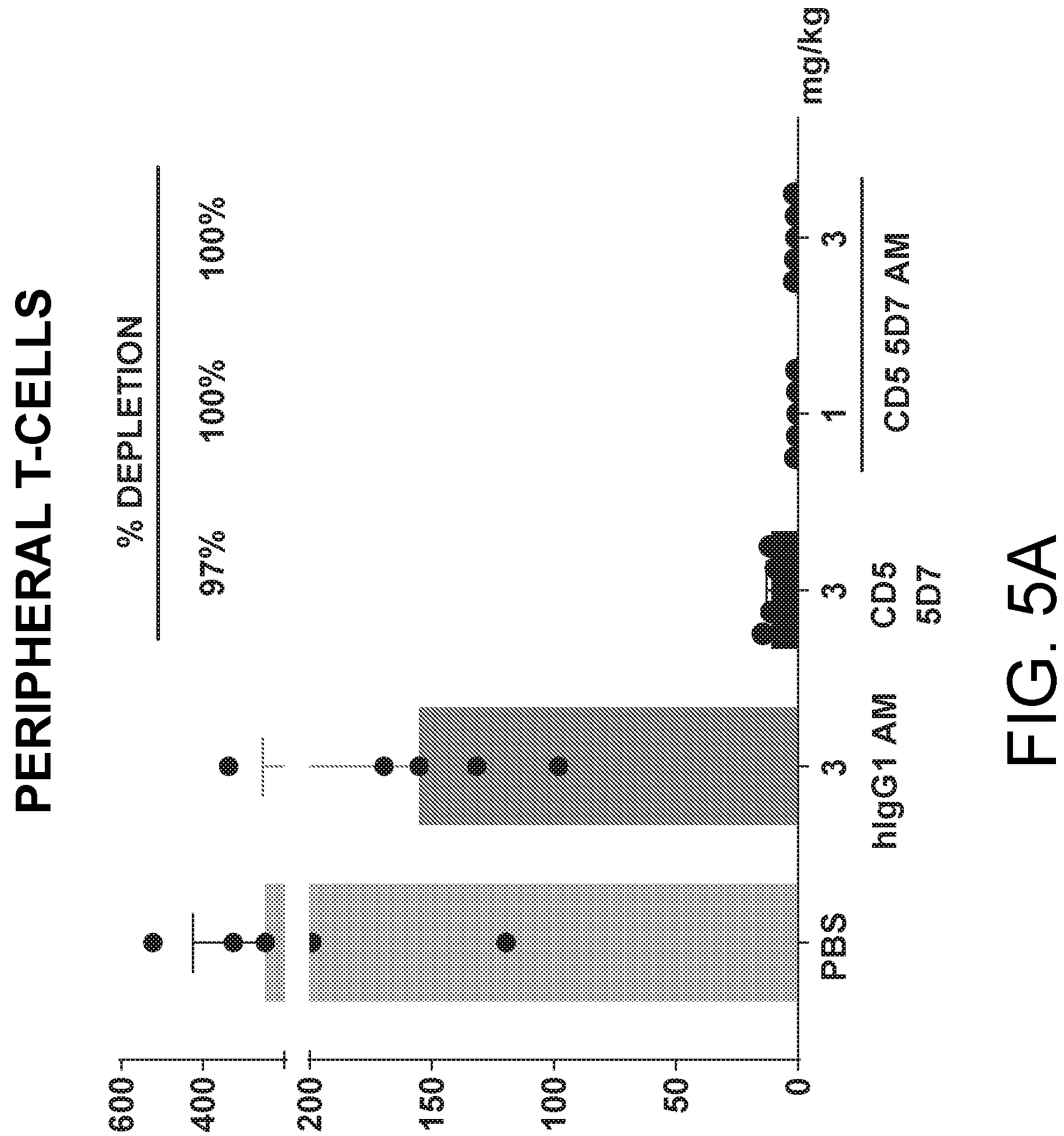

PERIPHERAL T-CELLS
% DEPLETION
97%
100%
100%
100%
hCD3 CELLS/uL
600
400
200
150
100
50
0
PBS
3
3
hIgG1 AM
CD5 5D7 AM
1
3
mg/kg
CD5
5D7

FIG. 5A

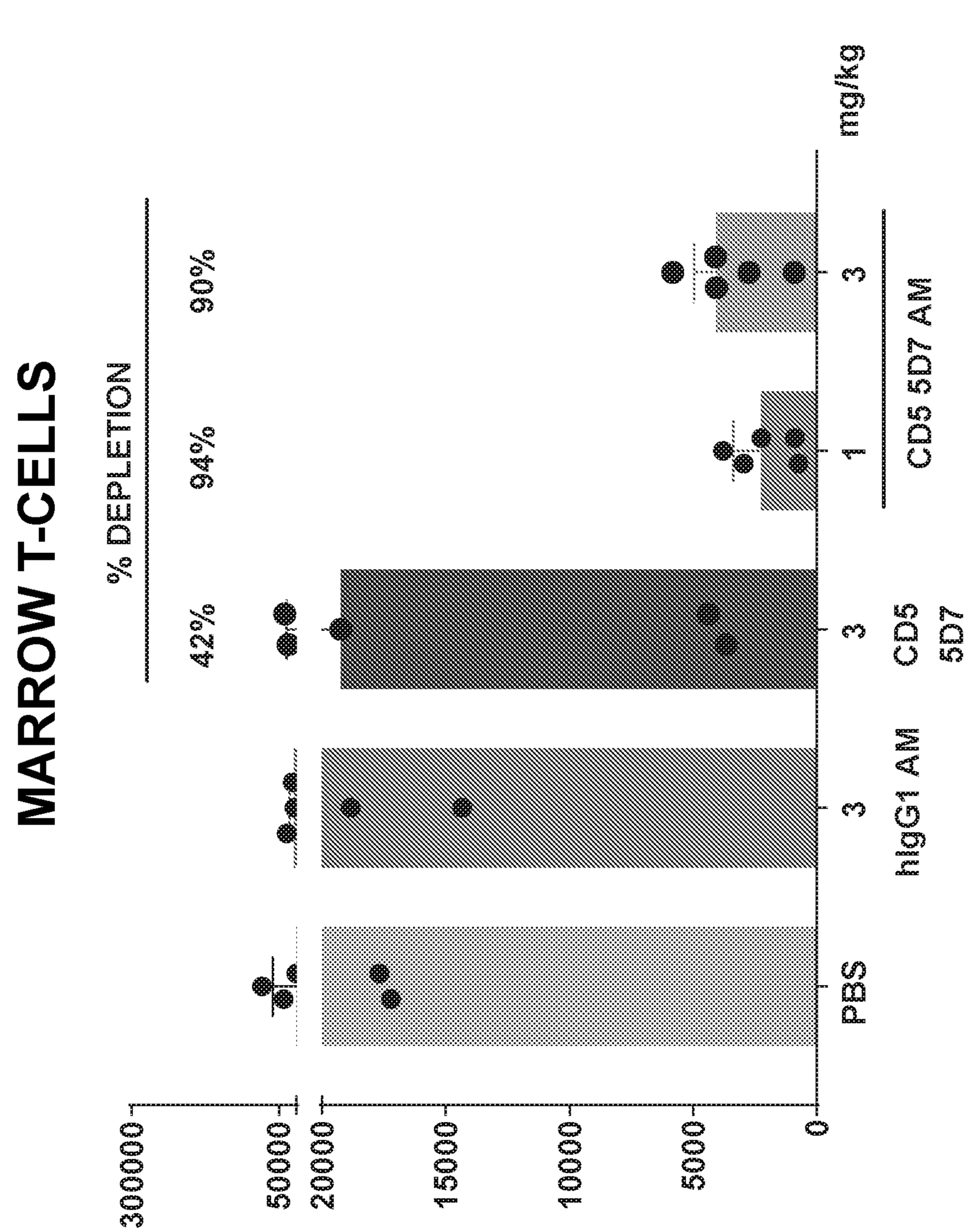

MARROW T-CELLS
% DEPLETION
94%
90%
42%
CD5 5D7 AM
1
3
mg/kg
hCD3 CELLS/FEMUR
300000
50000
20000
15000
10000
5000
0
PBS
3
3
hIgG1 AM
CD5
5D7

FIG. 5B

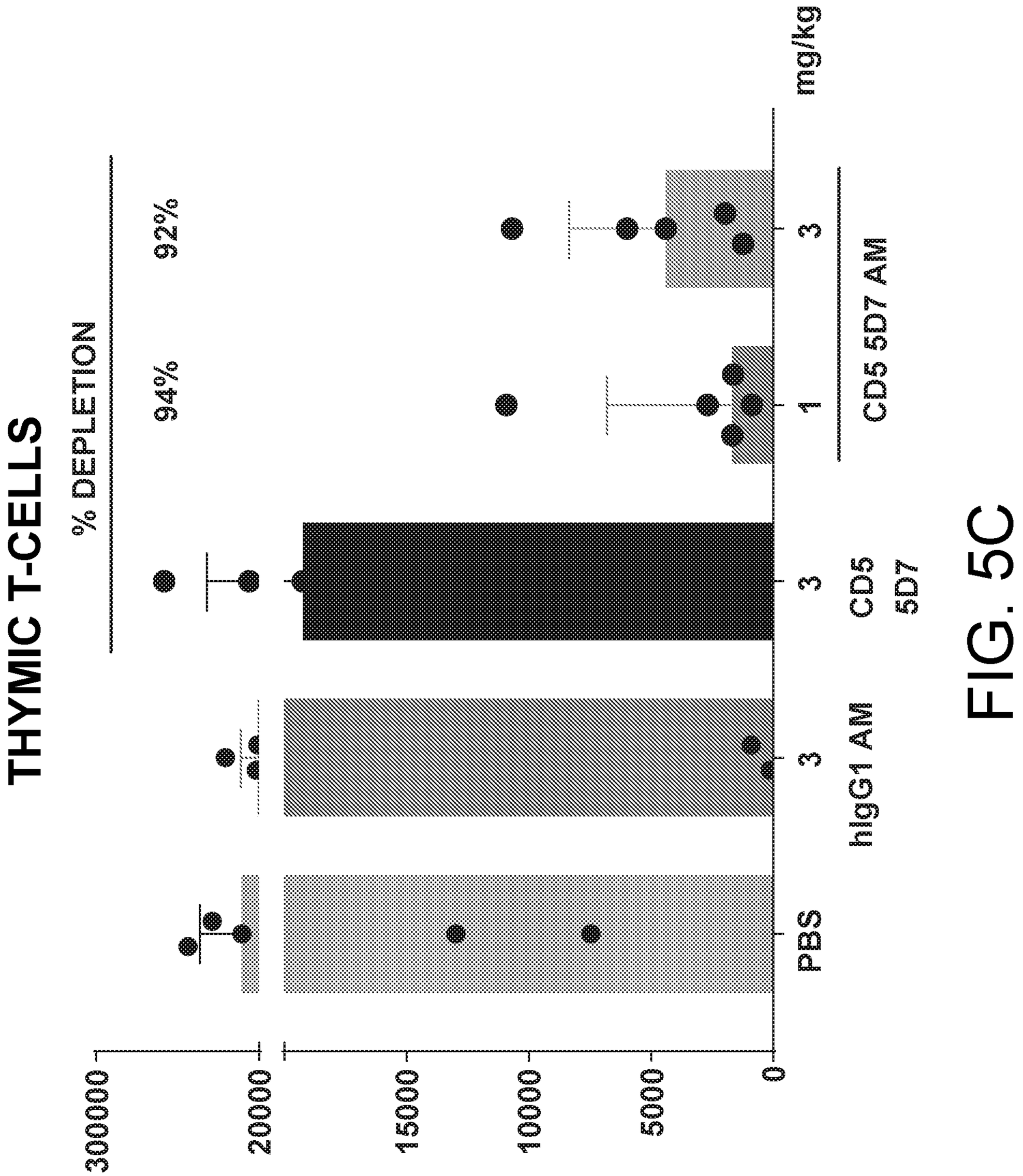

THYMIC T-CELLS
% DEPLETION
94%
92%
PBS
hIgG1 AM
CD5
5D7
1
3
3
CD5 5D7 AM
mg/
hCD3 CELLS/THYMUS
300000
20000
15000
10000
5000
0

FIG. 5C