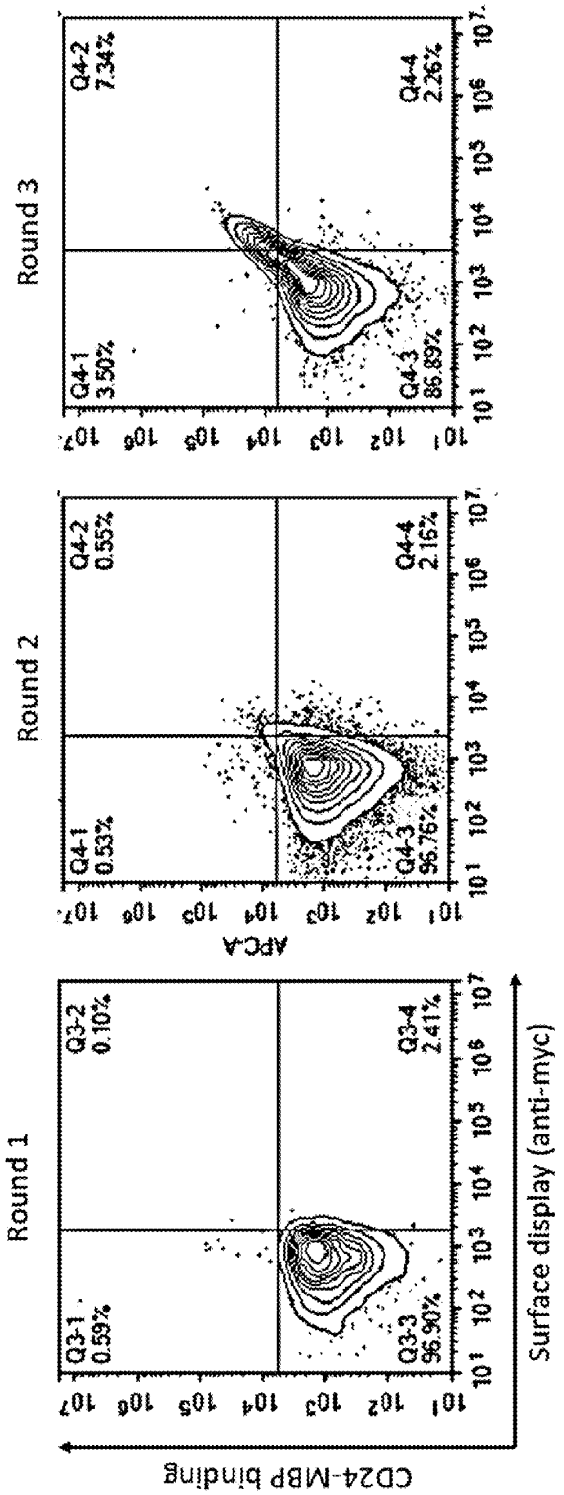

Round 3
Q4-2
7.34%
Q4-4
2.26%
Q4-1
3.50%
Q4-3
86.89%
Round 2
Q4-2
0.55%
Q4-4
2.16%
Q4-1
0.53%
Q4-3
96.76%
APC-A
Round 1
Q3-2
0.10%
Q3-4
2.41%
Q3-1
0.59%
Q3-3
96.90%
CD24-MBP binding
Surface display (anti-myc)

FIG. 1

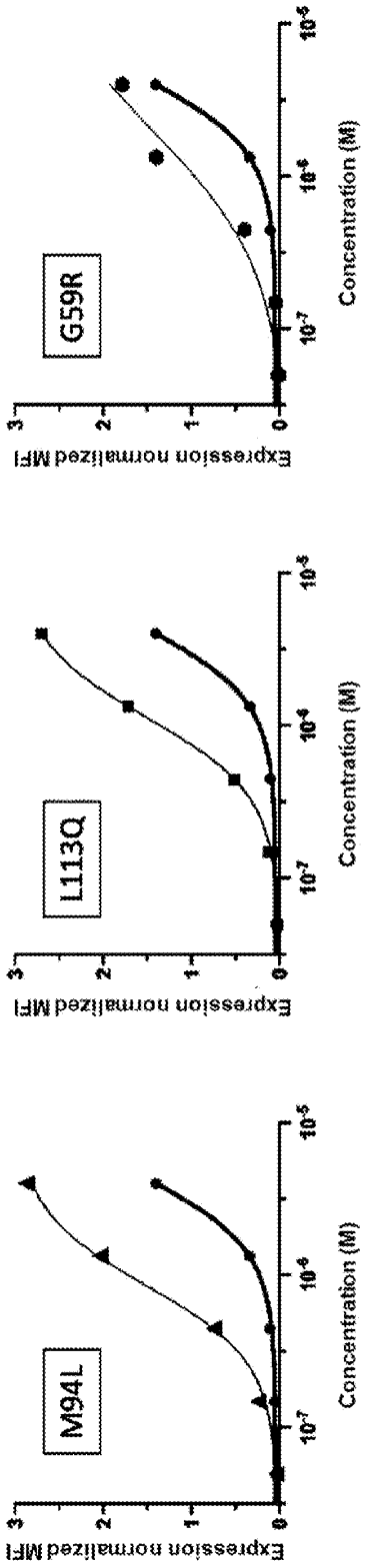

G59R
L113Q
M94L
Expression normalized MFI
Concentration (M)
0
1
2
3
10^{-7}
10^{-6}
10^{-5}

FIG. 2

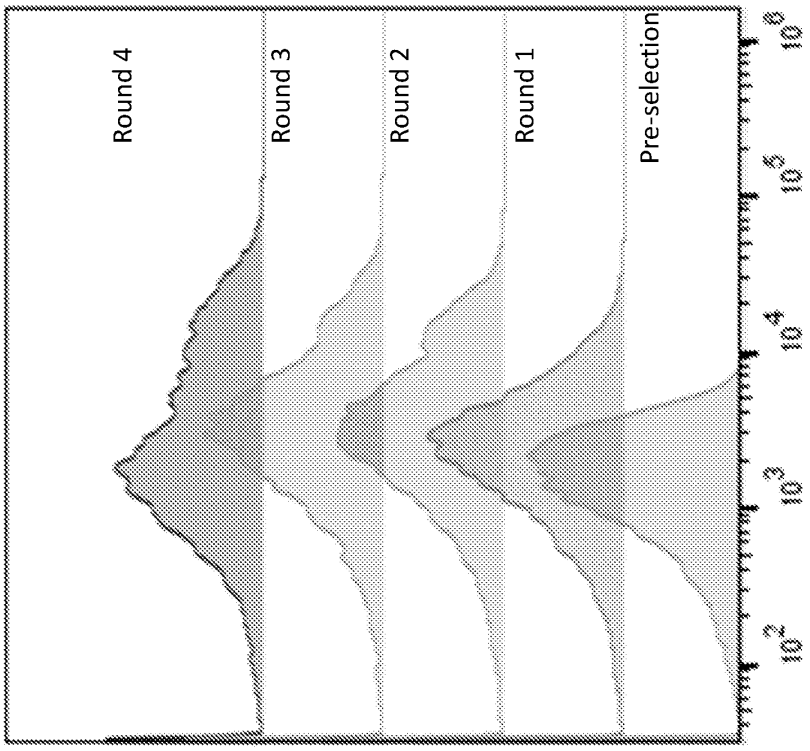

Round 4
Round 3
Round 2
Round 1
Pre-selection
10^2
10^3
10^4
10^5
10^6
APC-A

FIG. 3

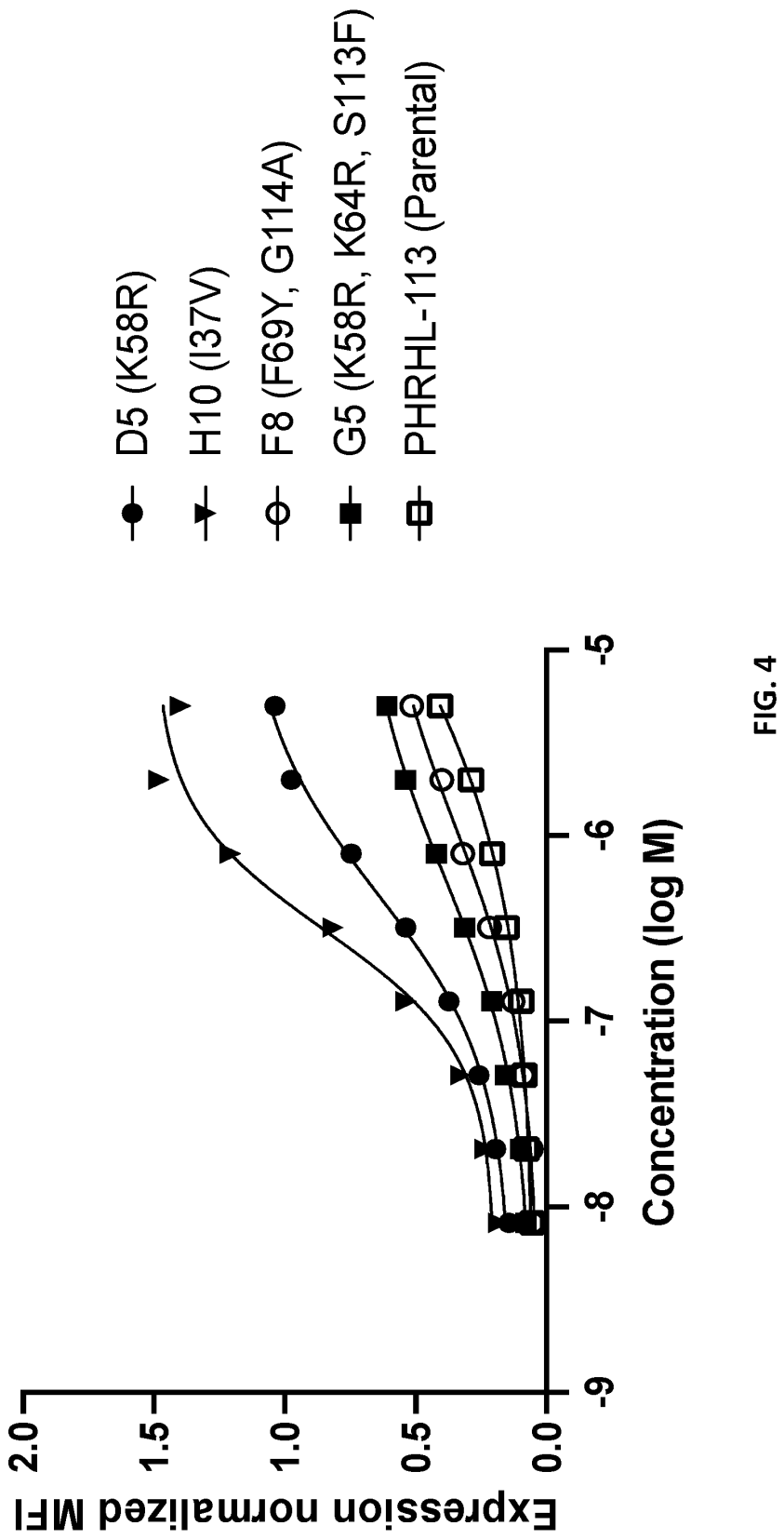

D5 (K58R)
H10 (I37V)
F8 (F69Y, G114A)
G5 (K58R, K64R, S113F)
PHRHL-113 (Parental)
Expression normalized MFI
2.0
1.5
1.0
0.5
0.0
-9
-8
-7
-6
-5
Concentration (log M)

FIG. 4

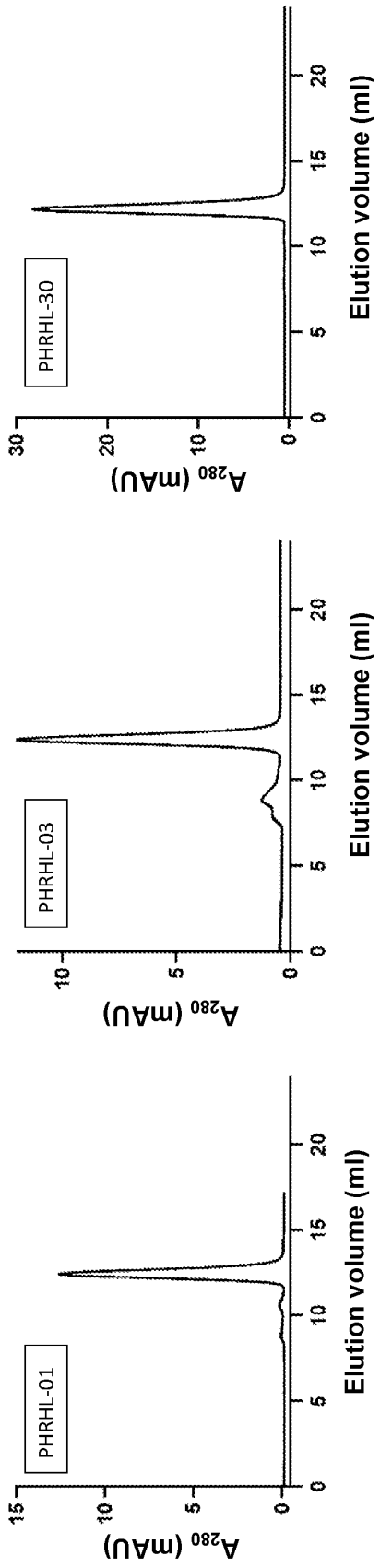


FIG. 5A

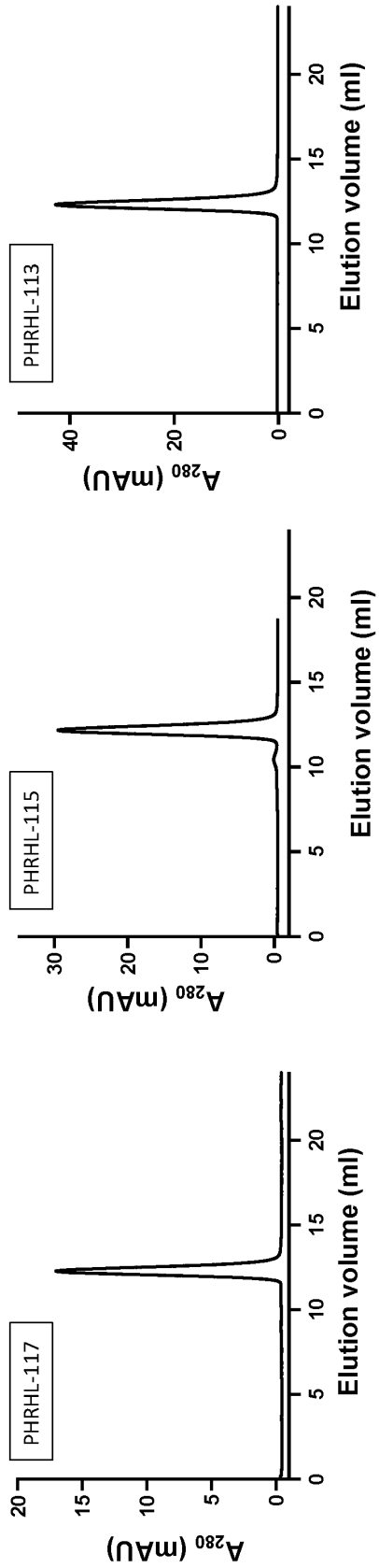

PHRHL-117
PHRHL-115
PHRHL-113
A_{280} (mAU)
Elution volume (ml)
0
5
10
15
20
30
40

FIG. 5B

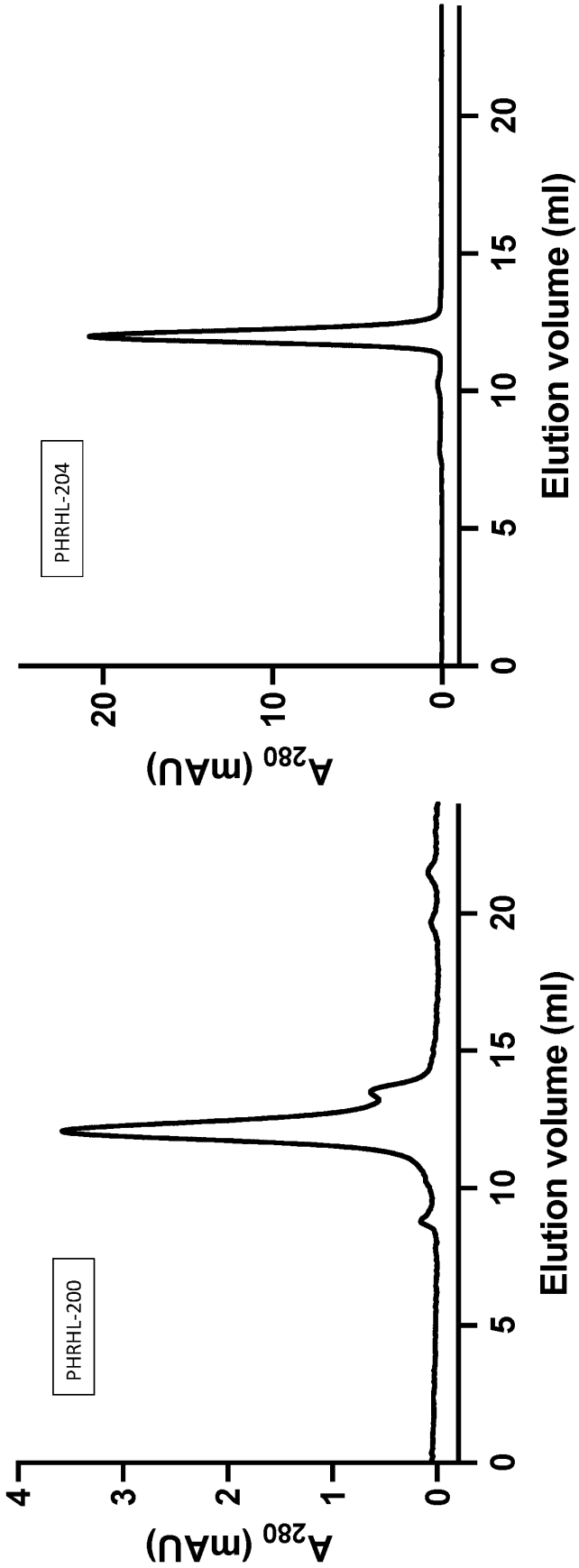

PHRHL-204
A_{280} (mAU)
0
10
20
0
5
10
15
20
Elution volume (ml)
PHRHL-200
A_{280} (mAU)
0
1
2
3
4
0
5
10
15
20
Elution volume (ml)

FIG. 5C

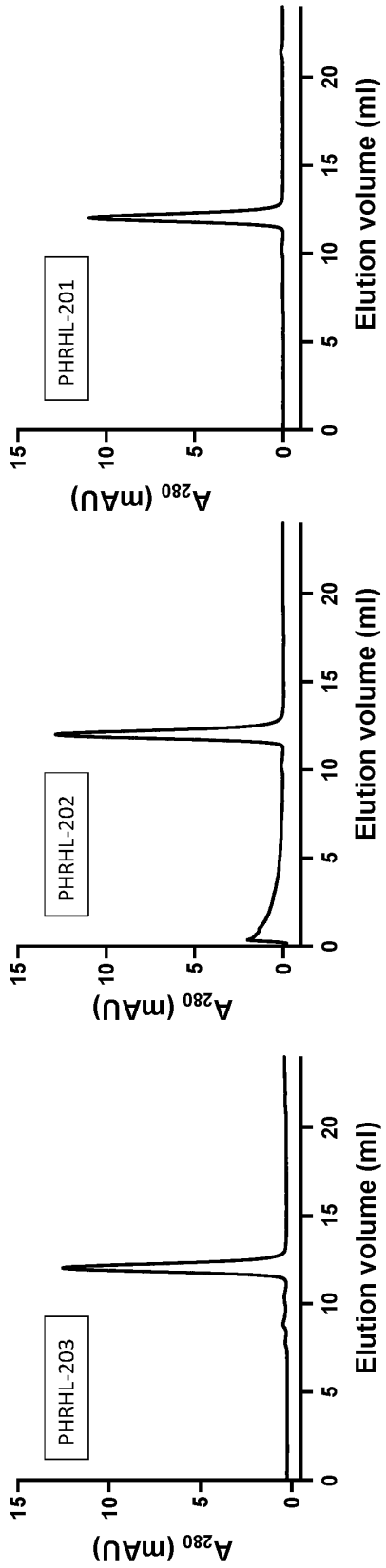

PHRHL-203
PHRHL-202
PHRHL-201
A_{280} (mAU)
Elution volume (ml)
0
5
10
15
20

FIG. 5D

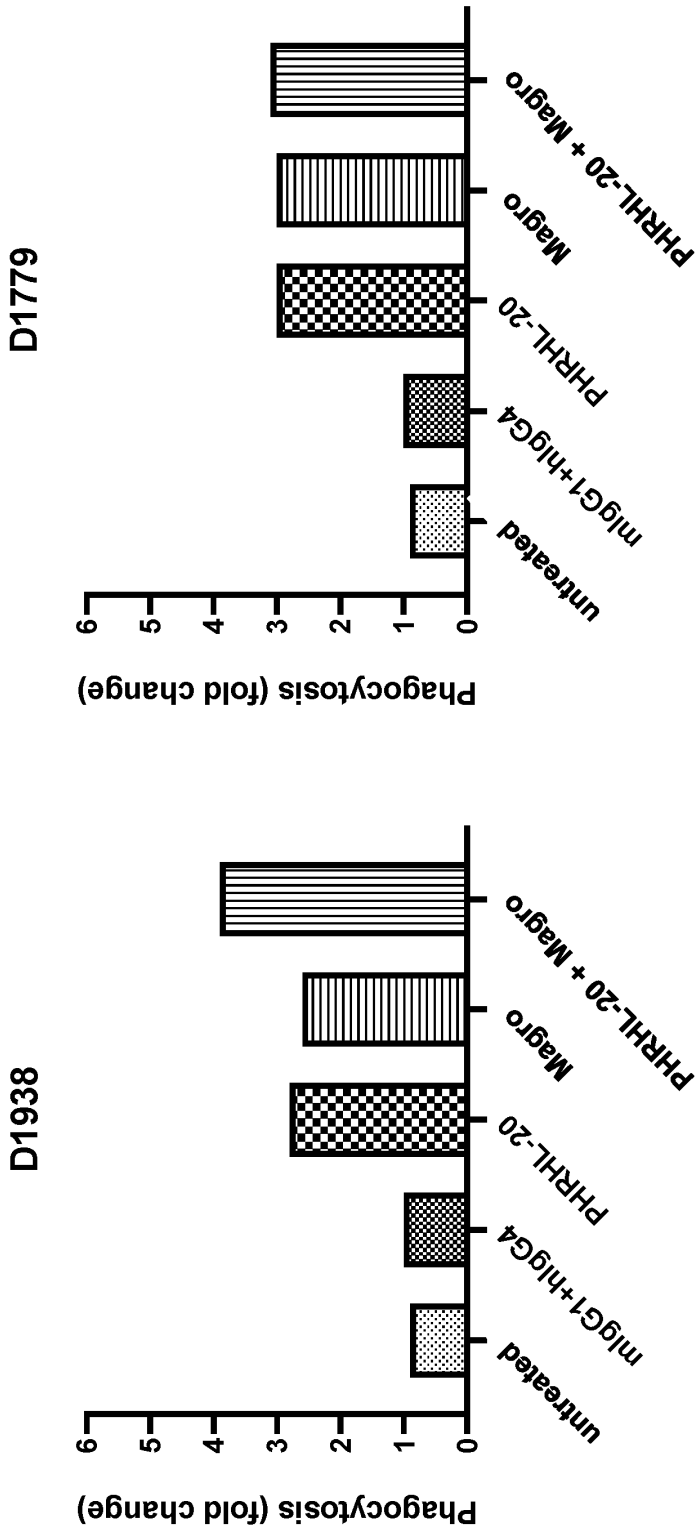

D1779
Phagocytosis (fold change)
0
1
2
3
4
5
6
untreated
mIgG1+hIgG4
PHRHL-20
Magro
PHRHL-20 + Magro
D1938
Phagocytosis (fold change)
0
1
2
3
4
5
6
untreated
mIgG1+hIgG4
PHRHL-20
Magro
PHRHL-20 + Magro

FIG. 6A

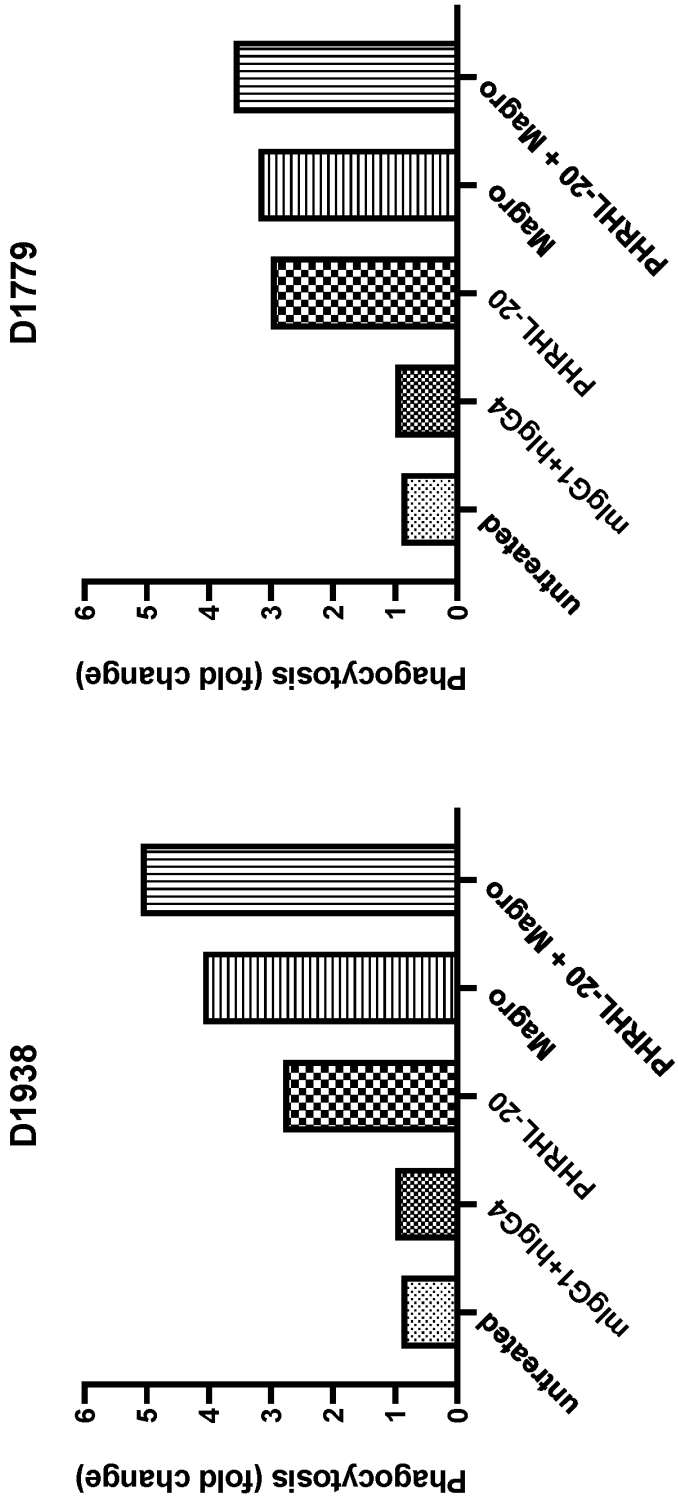


FIG. 6A (continued)

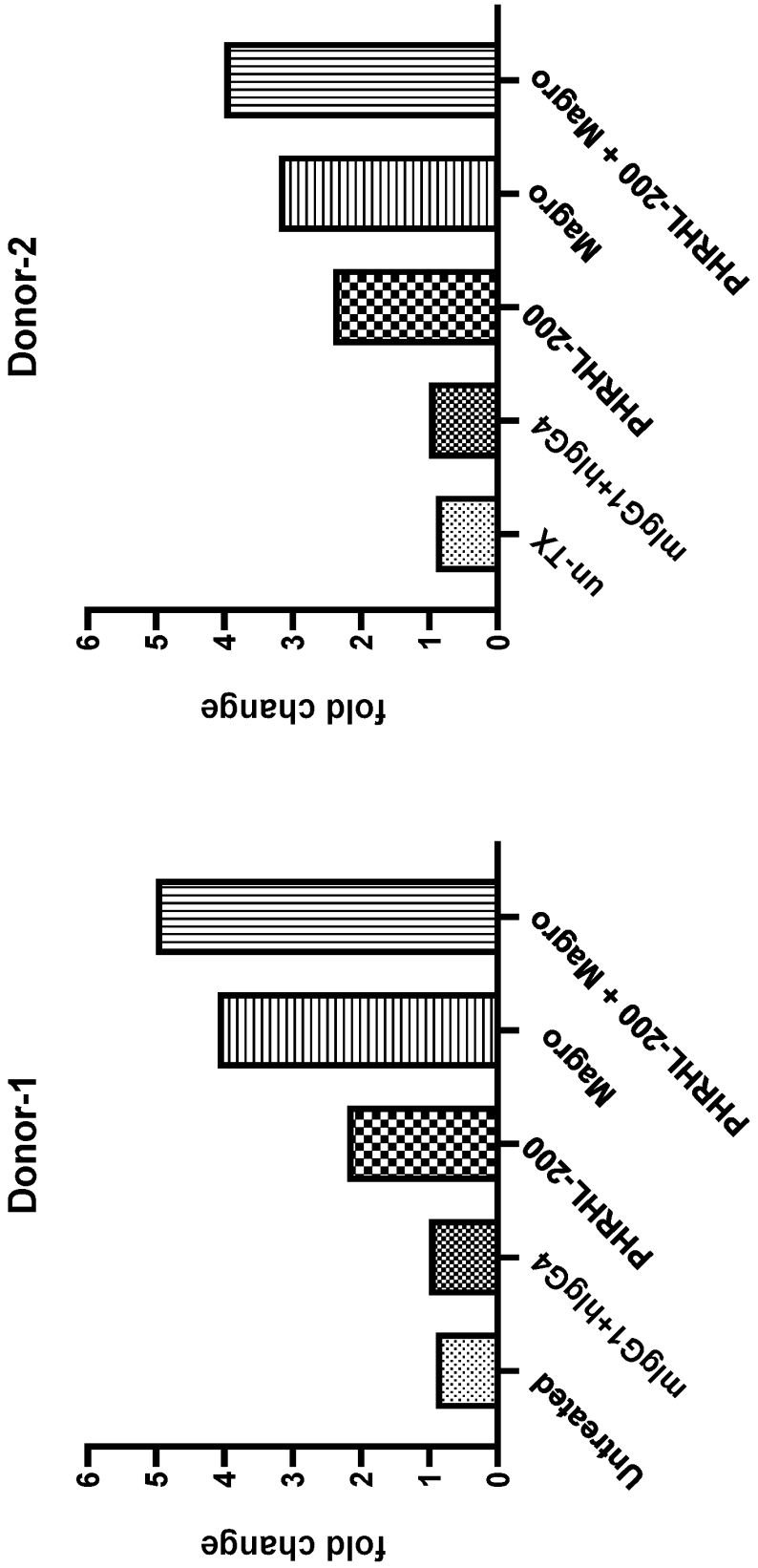

Donor-2
fold change
0
1
2
3
4
5
6
un-TX
mIgG1+hIgG4
PHRHL-200
Magro
PHRHL-200 + Magro
Donor-1
fold change
0
1
2
3
4
5
6
Untreated
mIgG1+hIgG4
PHRHL-200
Magro
PHRHL-200 + Magro

FIG. 6B

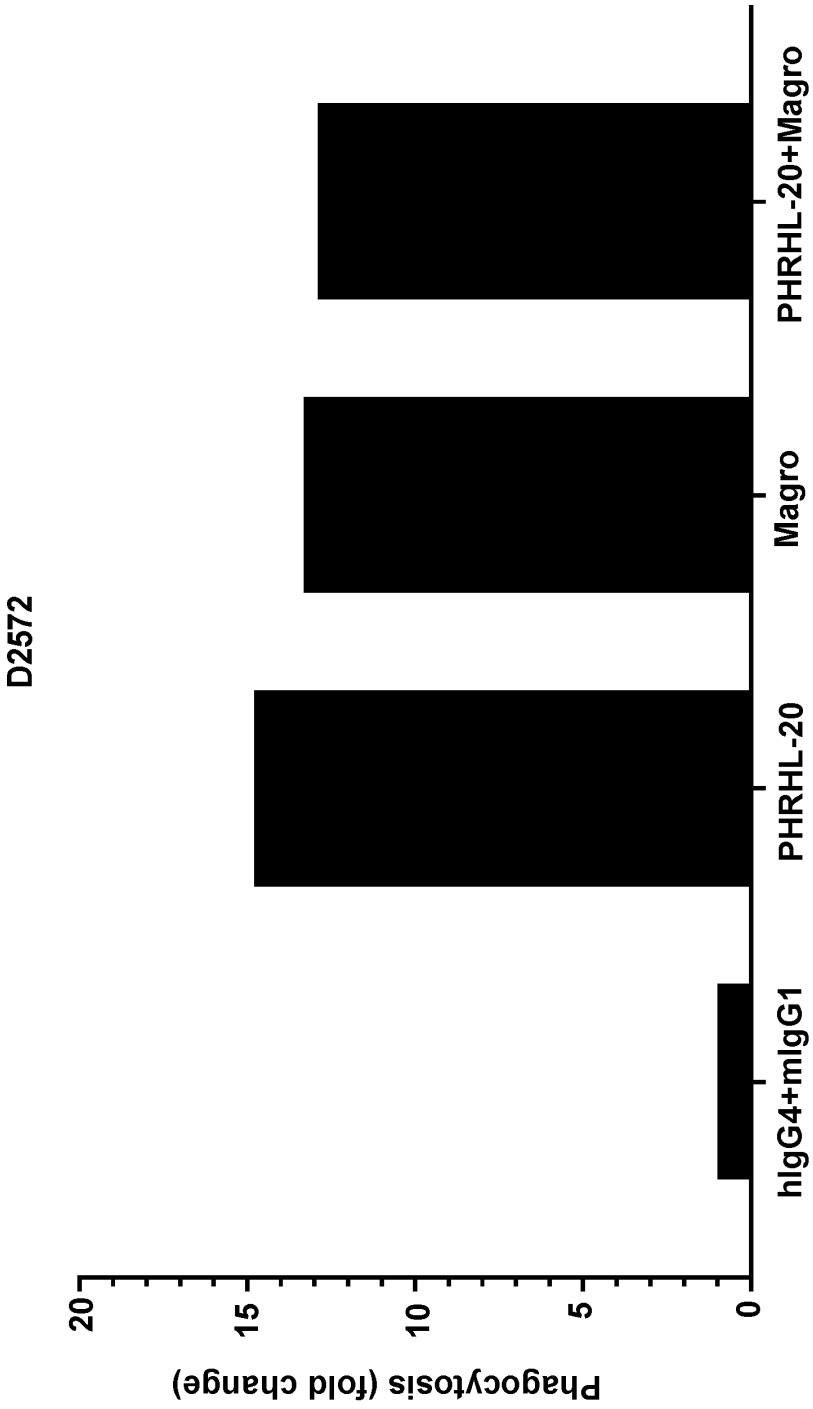

D2572
Phagocytosis (fold change)
0
5
10
15
20
hIgG4+mIgG1
PHRHL-20
Magro
PHRHL-20+Magro

FIG. 7A

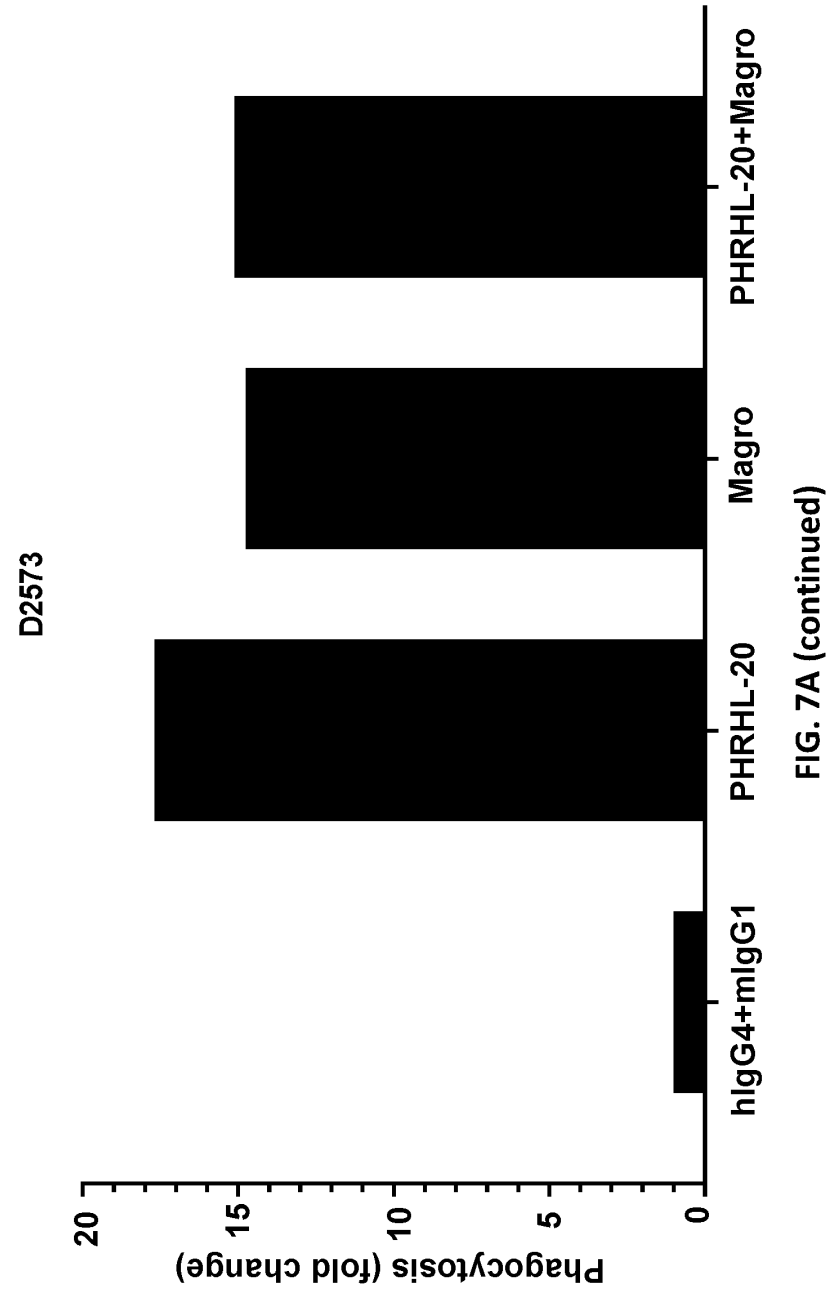


FIG. 7A (continued)

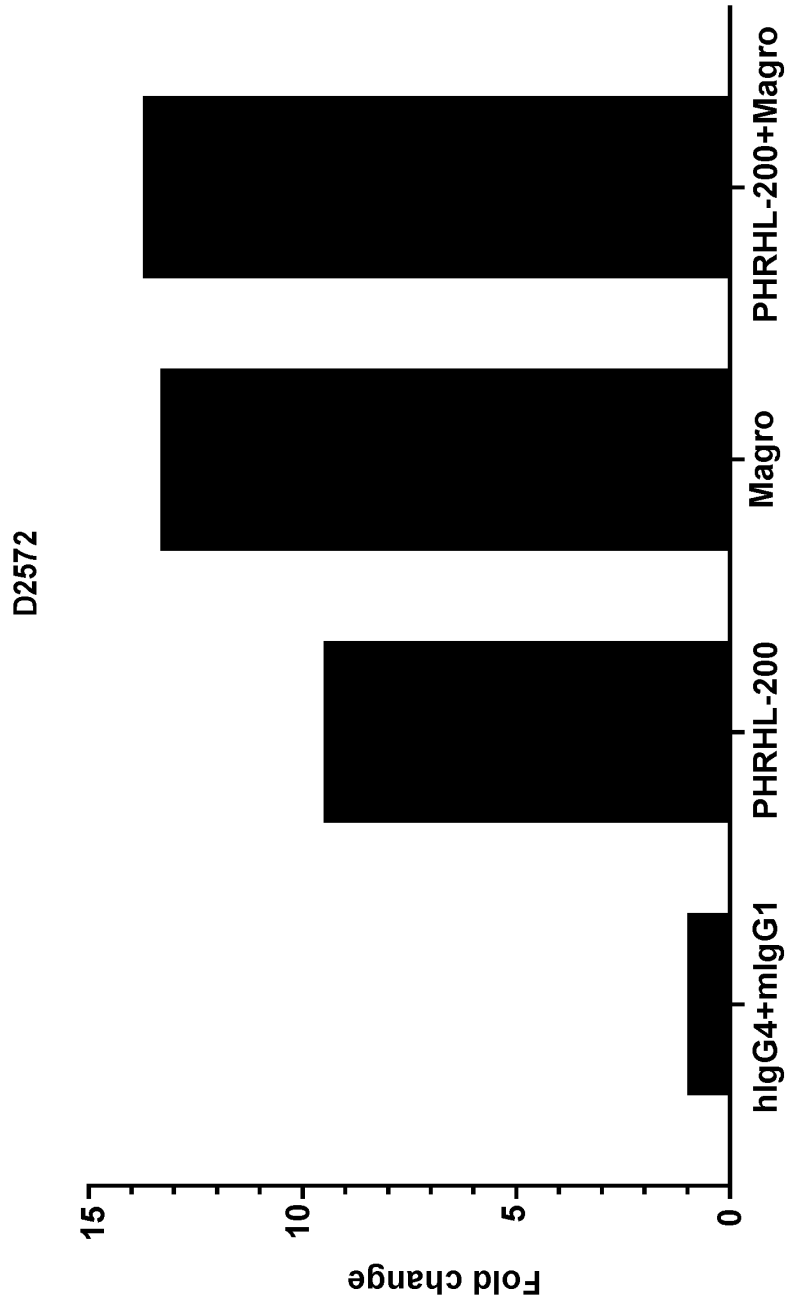

D2572
Fold change
15
10
5
0
hIgG4+mIgG1
PHRHL-200
Magro
PHRHL-200+Magro

FIG. 7B

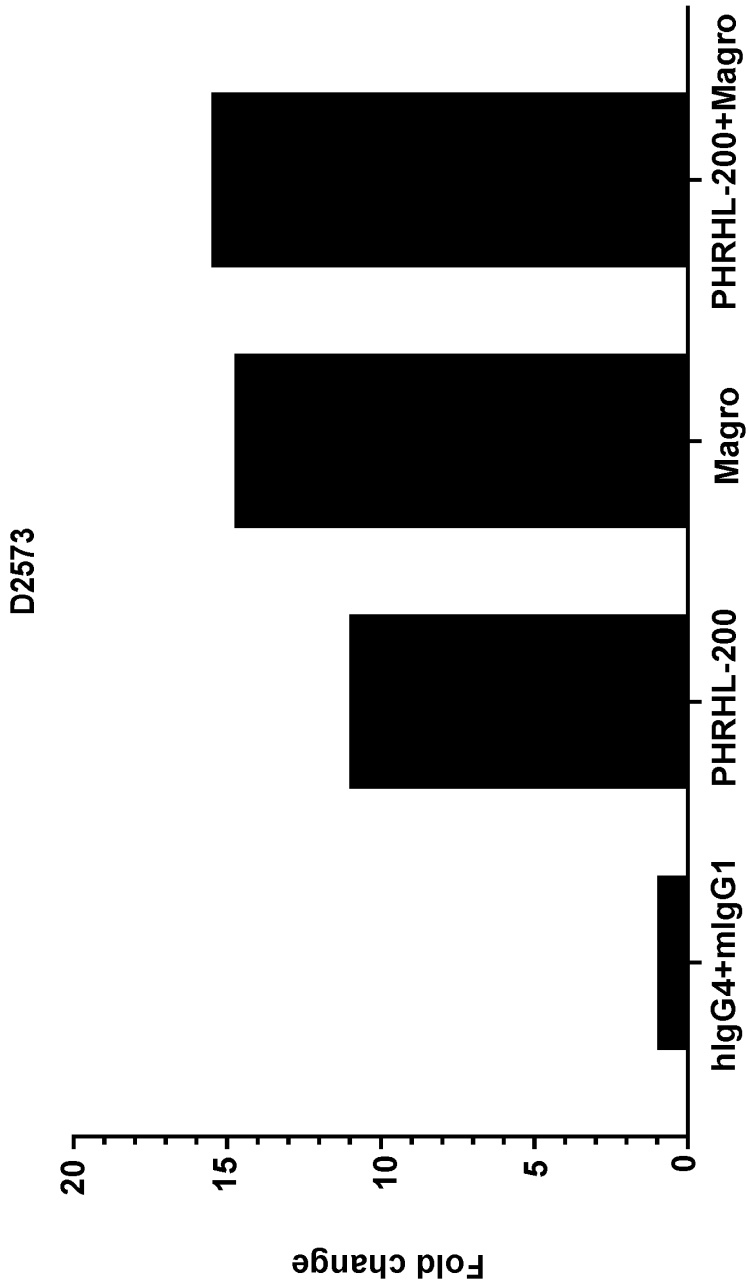


FIG. 7B (continued)

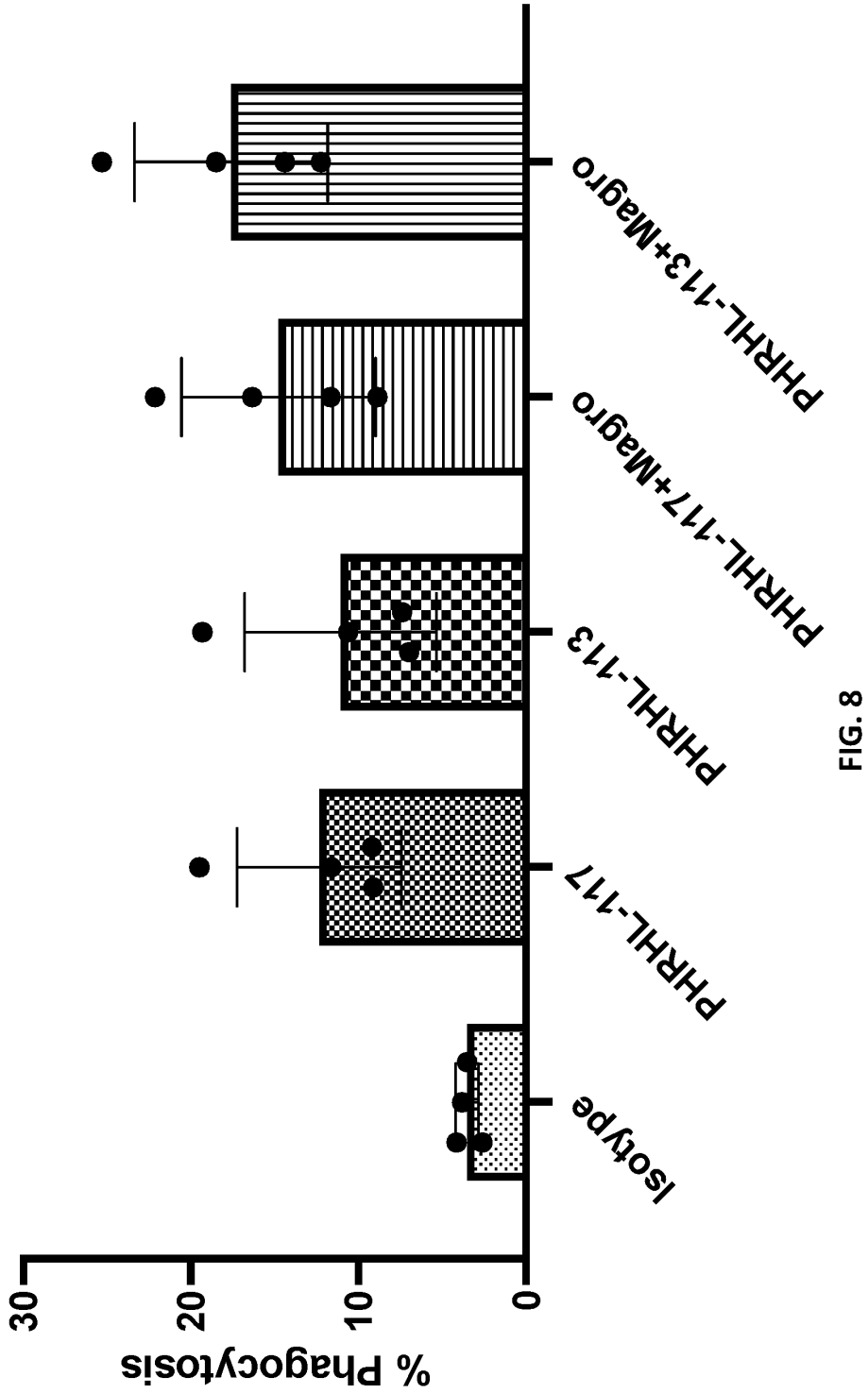

% Phagocytosis
0
10
20
30
Isotype
PHRHL-117
PHRHL-113
PHRHL-117+Magro
PHRHL-113+Magro

FIG. 8

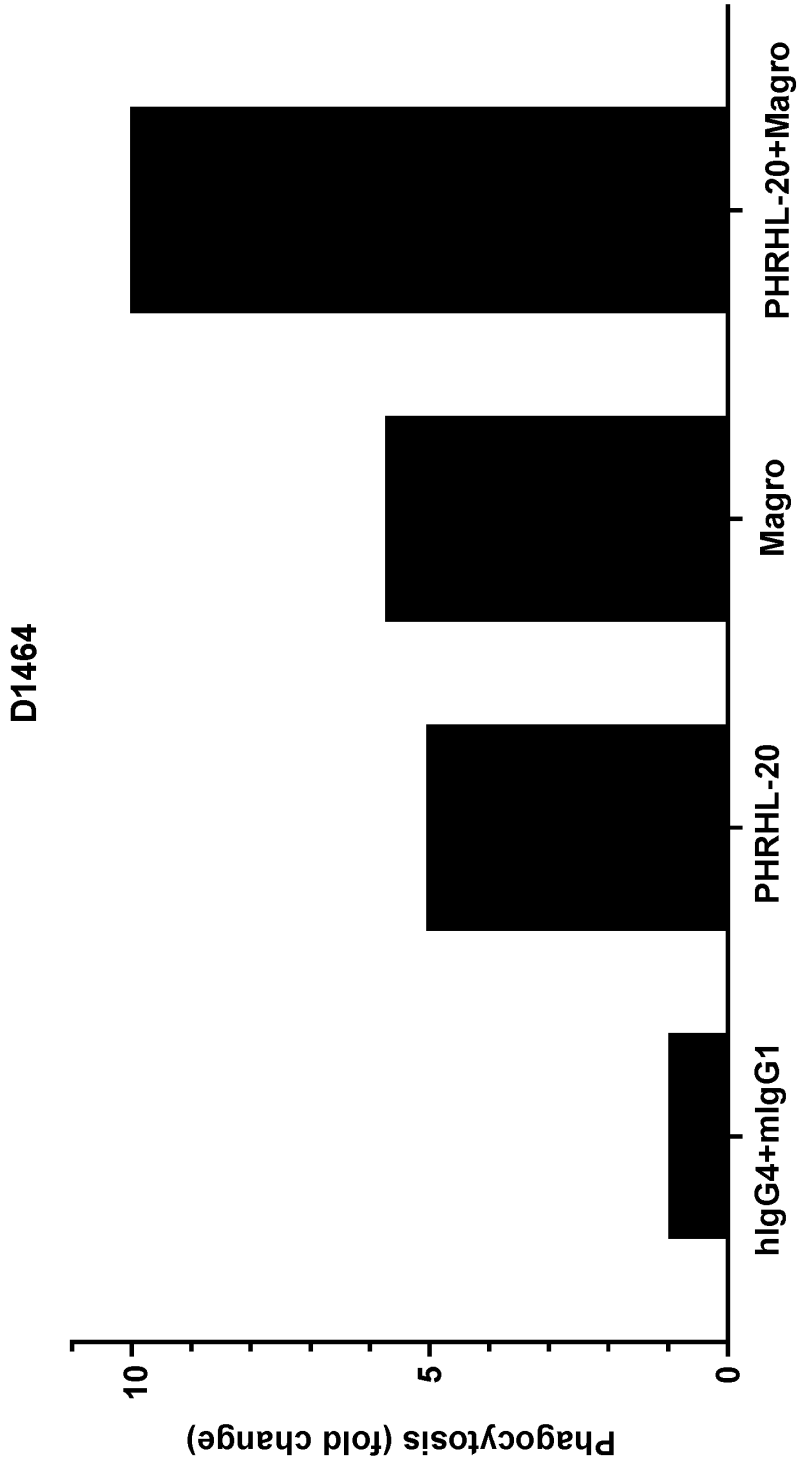

D1464
Phagocytosis (fold change)
0
5
10
hIgG4+mIgG1
PHRHL-20
Magro
PHRHL-20+Magro

FIG. 9A

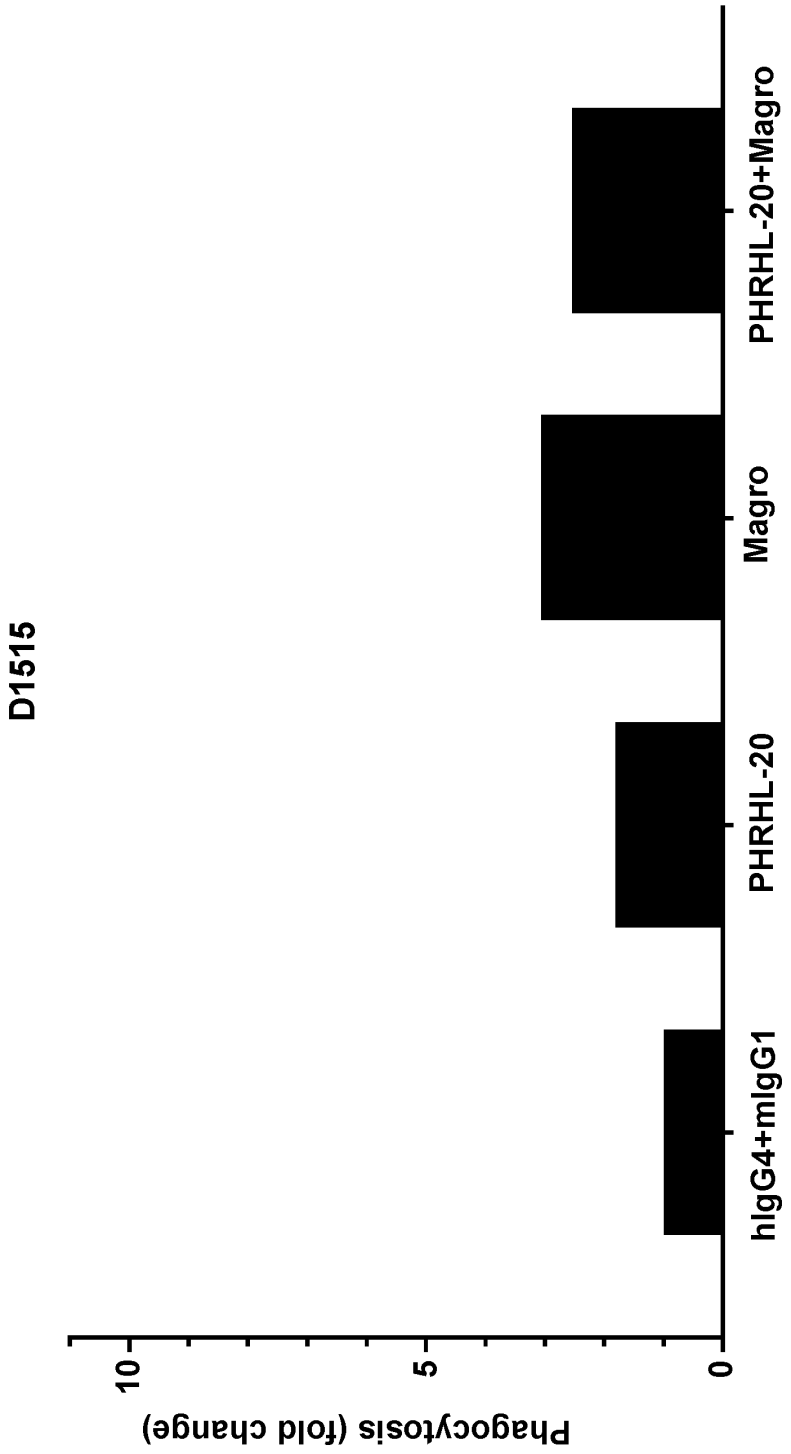


FIG. 9A (continued)

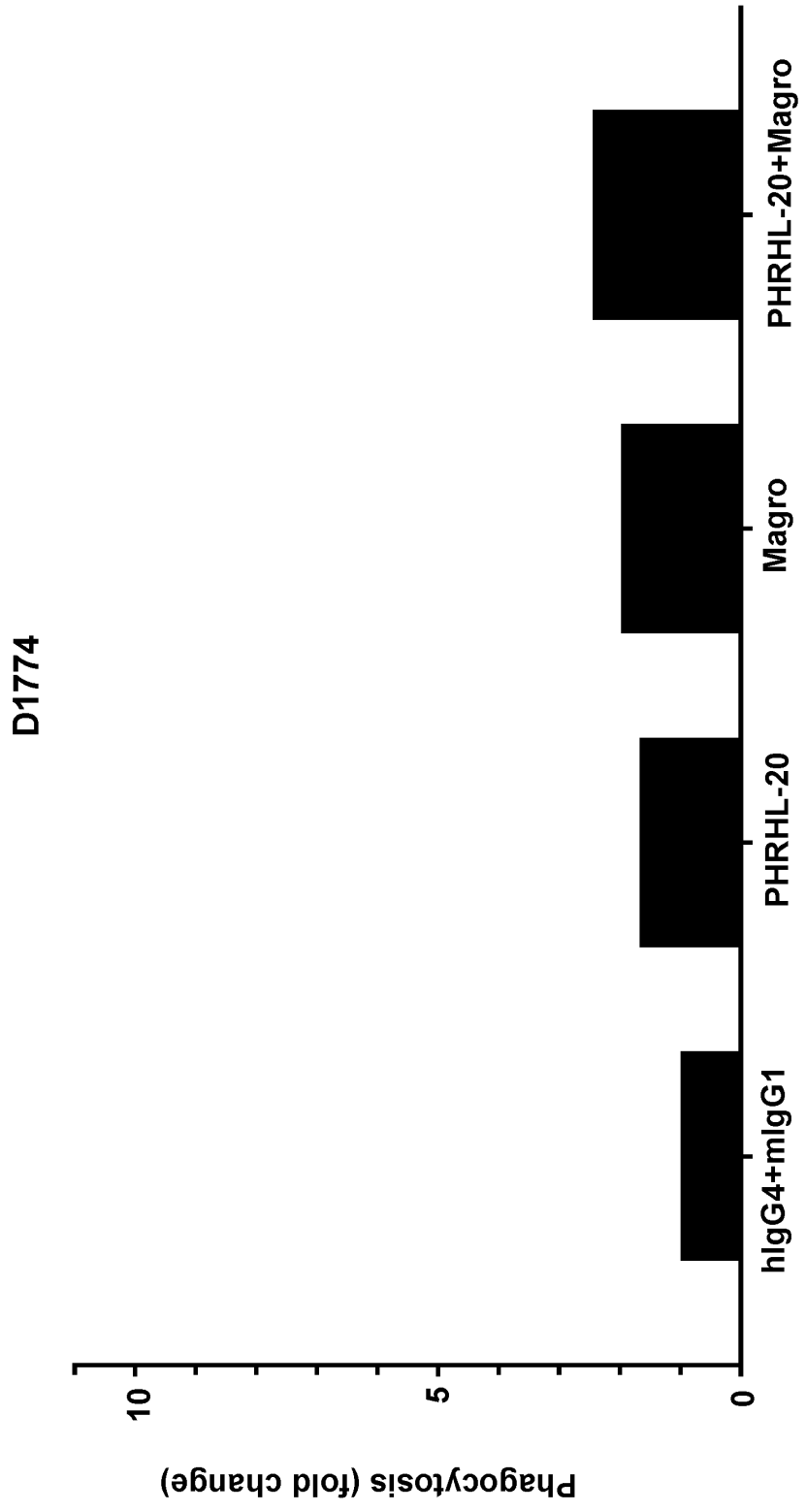


FIG. 9A (continued)

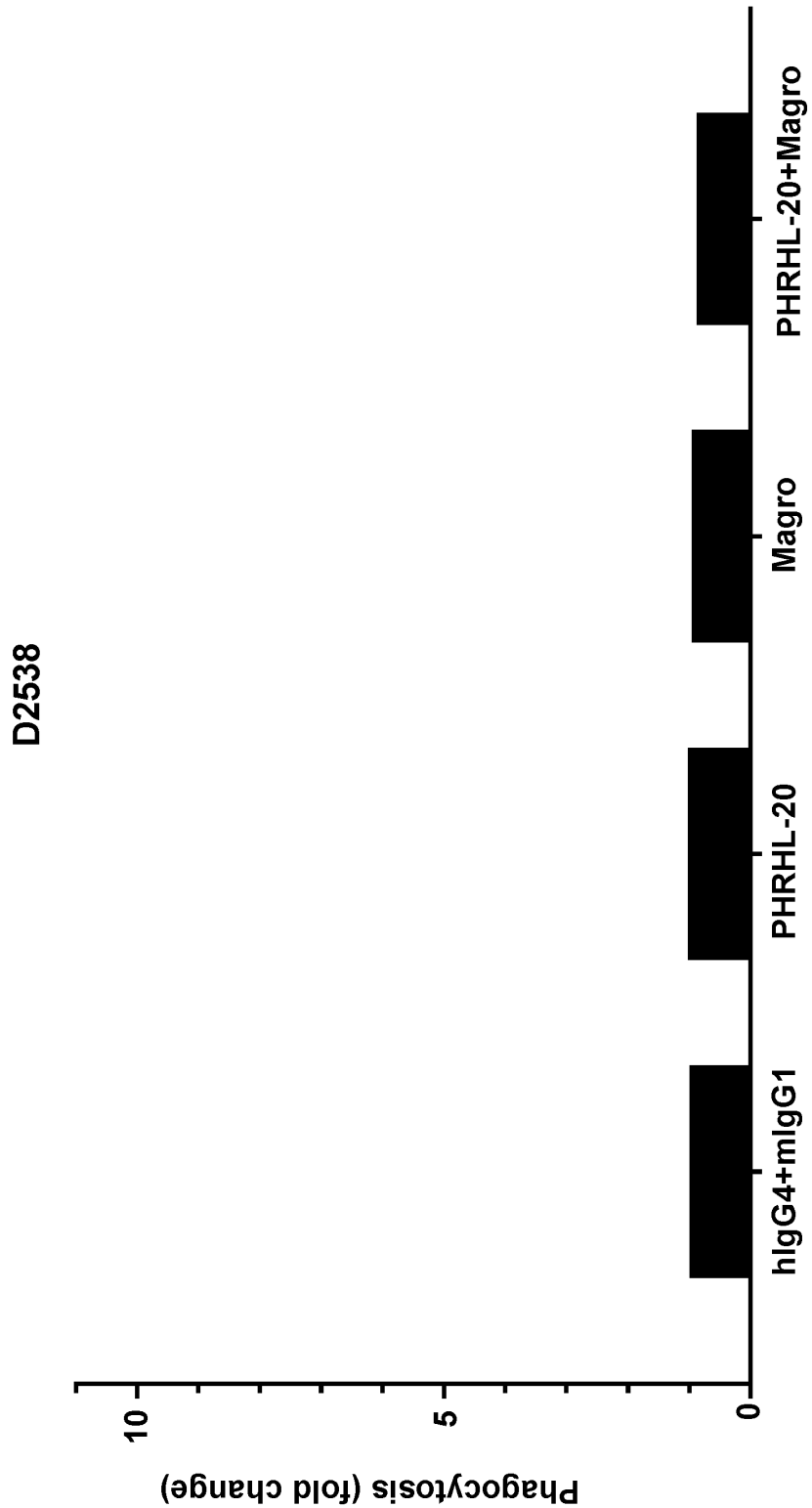


FIG. 9A (continued)

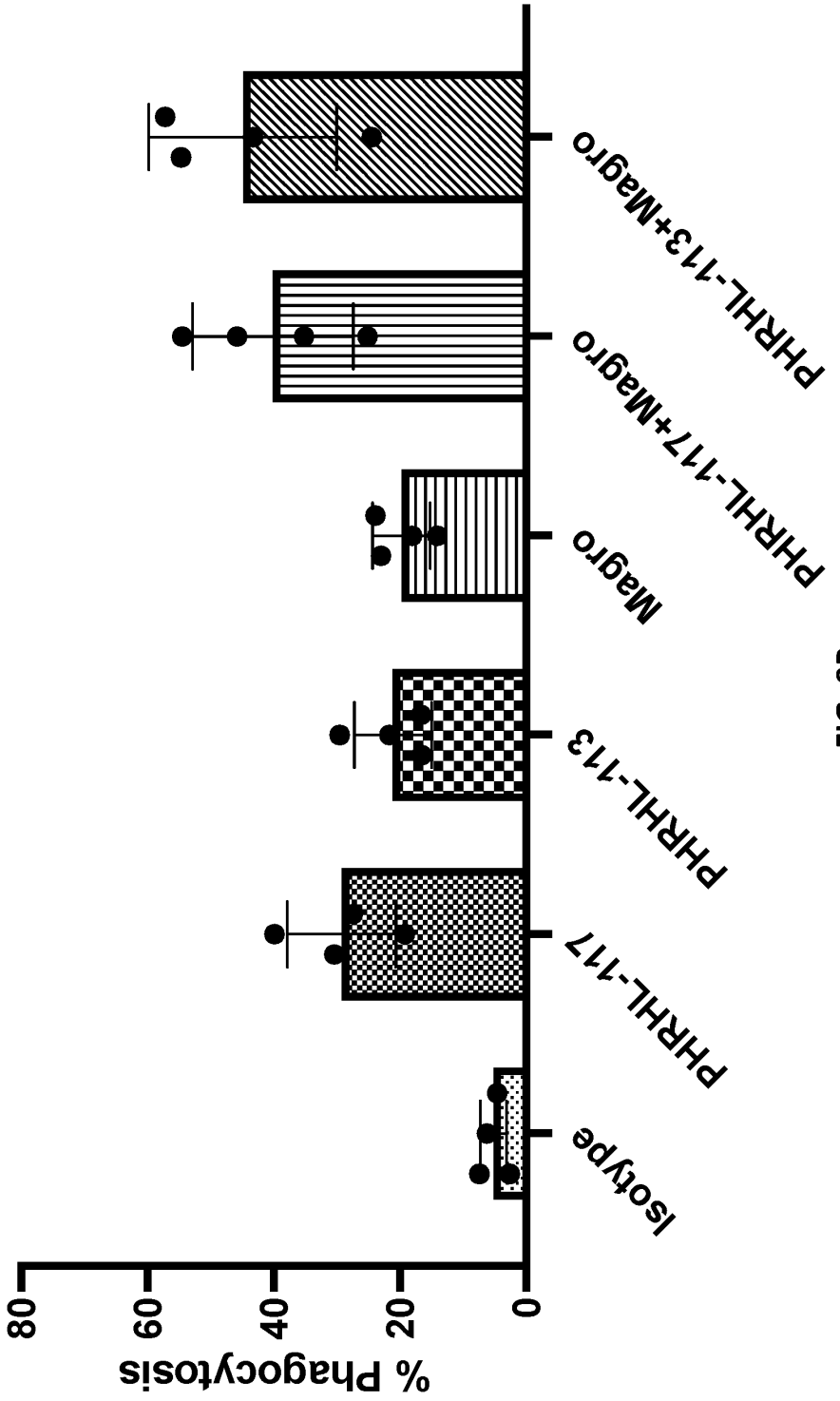

% Phagocytosis
0
20
40
60
80
Isotype
PHRHL-117
PHRHL-113
Magro
PHRHL-117+Magro
PHRHL-113+Magro

FIG. 9B

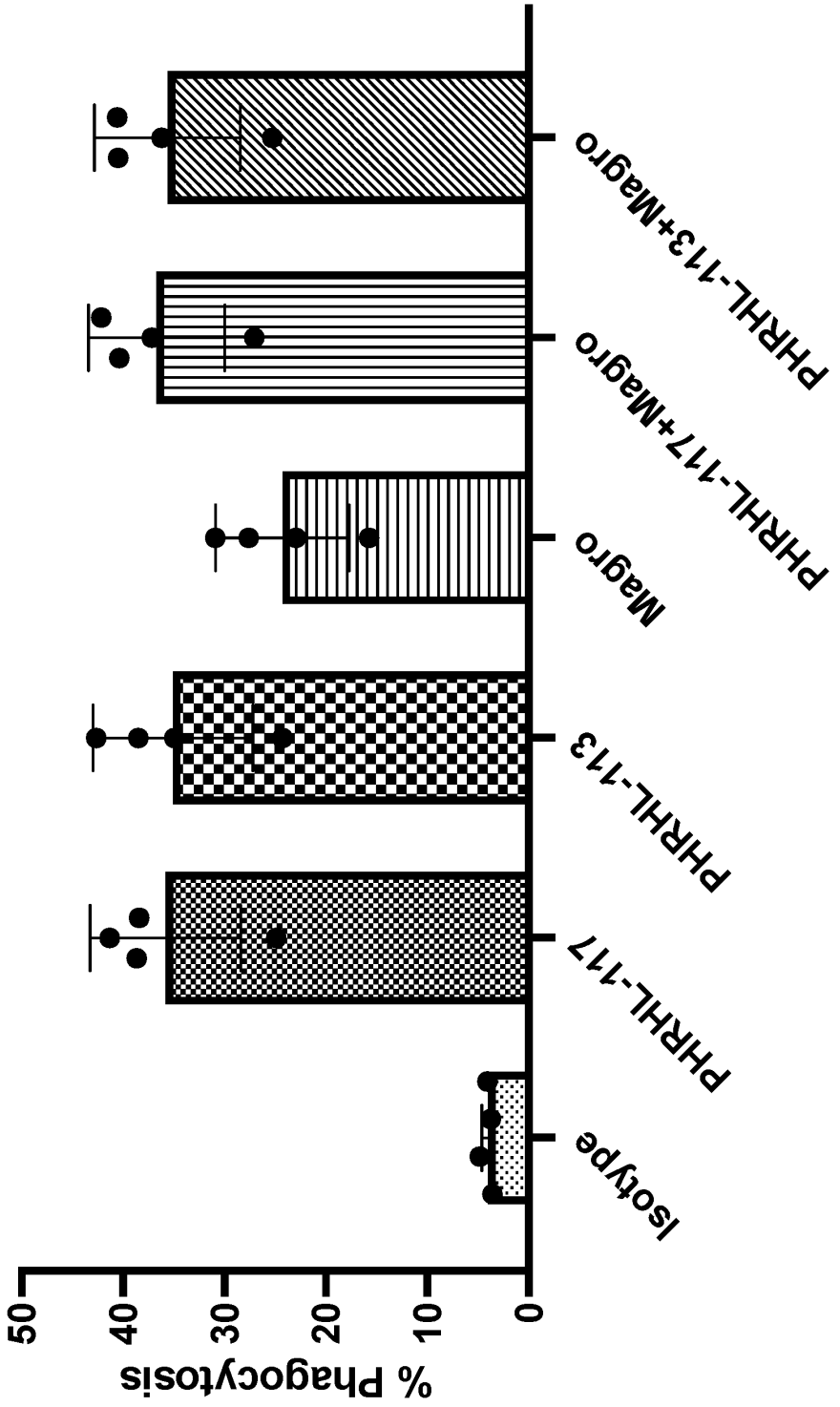

% Phagocytosis
0
10
20
30
40
50
Isotype
PHRHL-117
PHRHL-113
Magro
PHRHL-117+Magro
PHRHL-113+Magro

FIG. 10

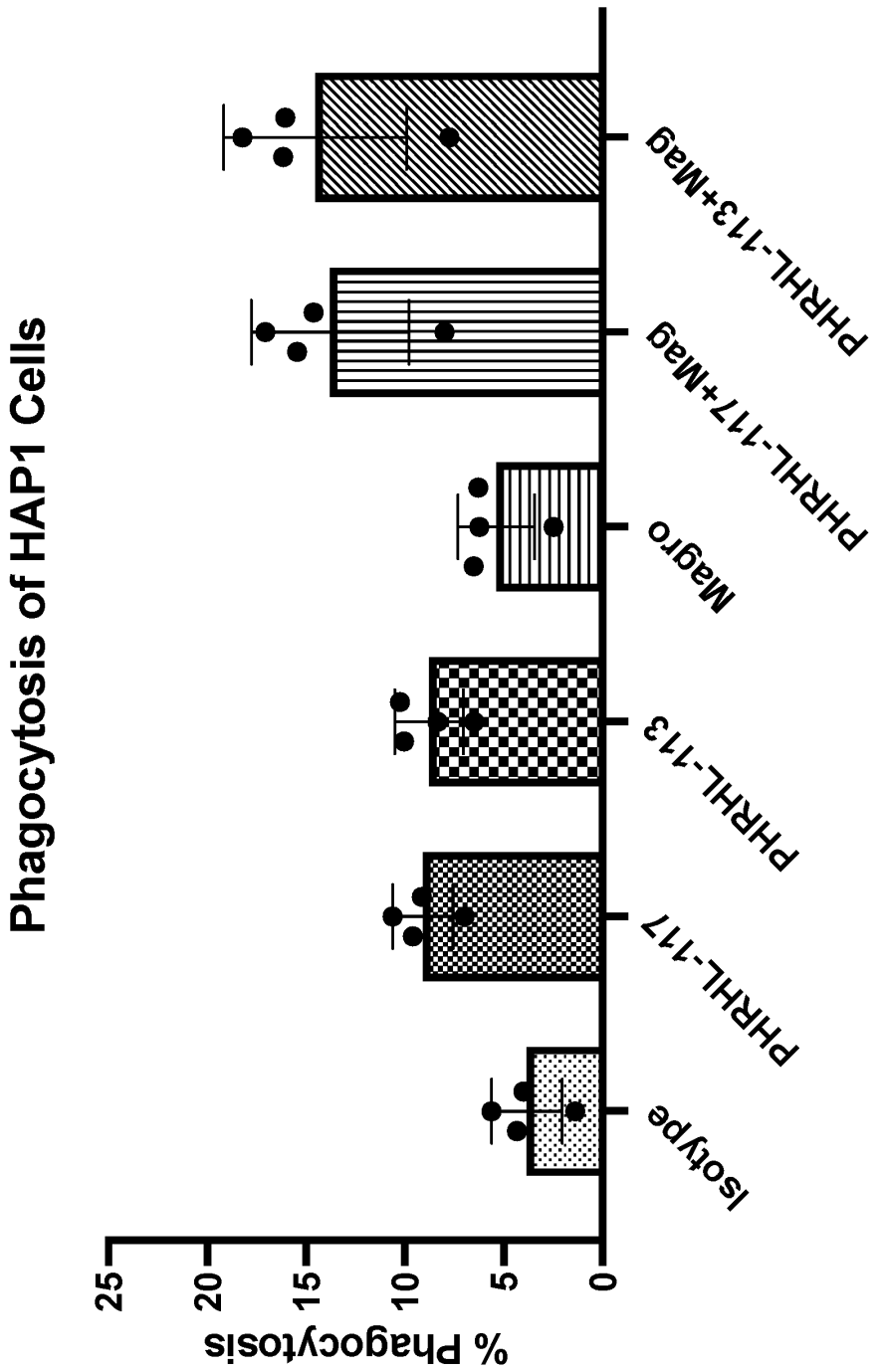

Phagocytosis of HAP1 Cells
% Phagocytosis
0
5
10
15
20
25
Isotype
PHRHL-117
PHRHL-113
Magro
PHRHL-117+Mag
PHRHL-113+Mag

FIG. 11

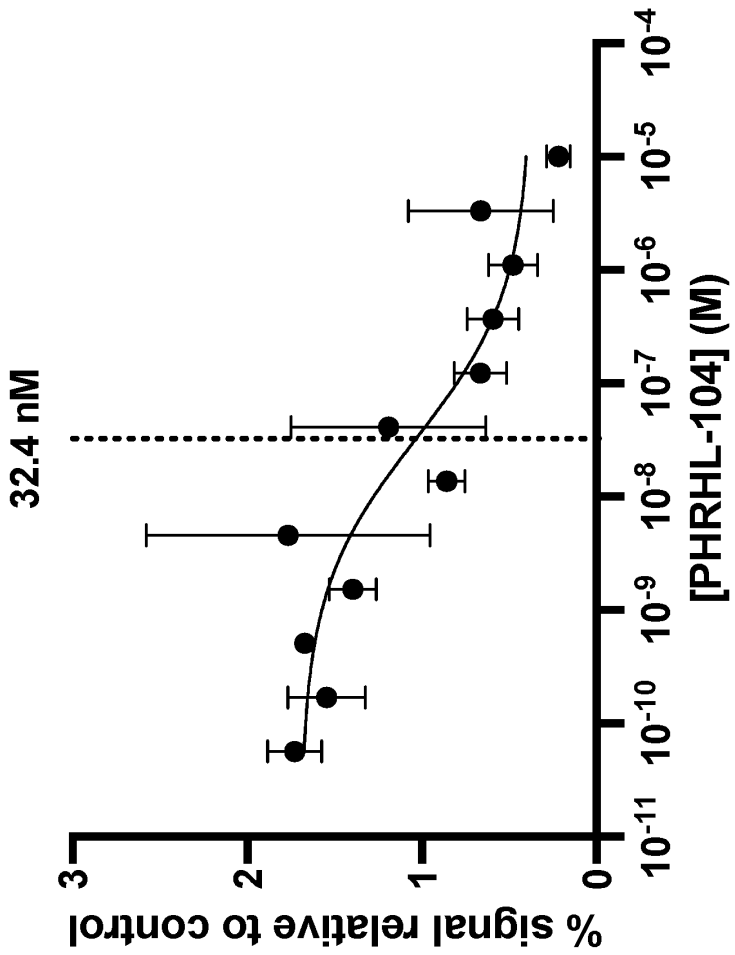

% signal relative to control
3
2
1
0
32.4 nM
10-11
10-10
10-9
10-8
10-7
10-6
10-5
10-4
[PHRHL-104] (M)

FIG. 12

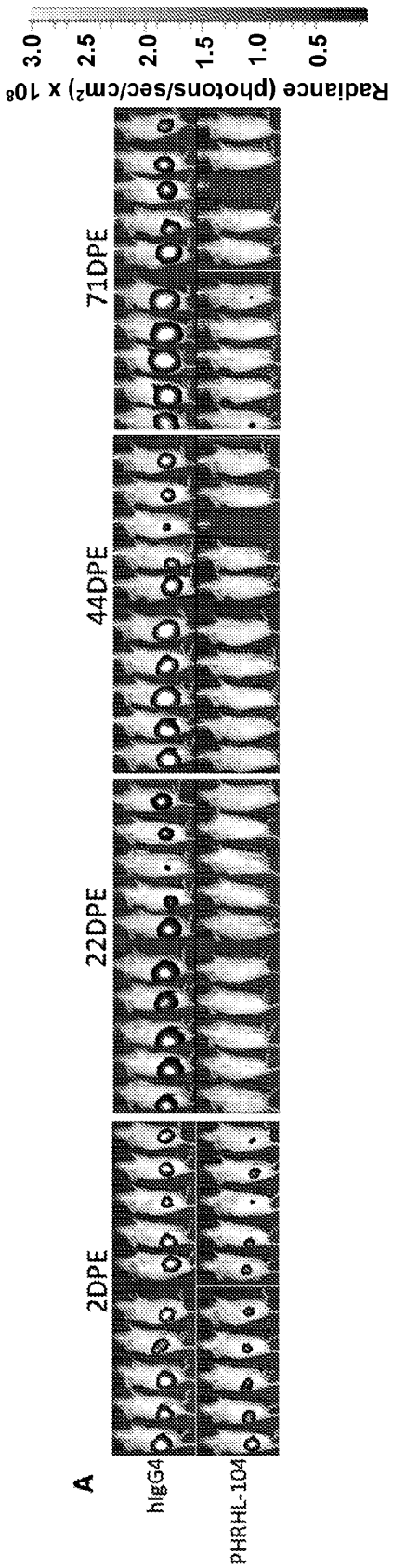

Radiance (photons/sec/cm²) x 10⁸
3.0
2.5
2.0
1.5
1.0
0.5
A
hIgG4
PHRHL-104
2DPE
22DPE
44DPE
71DPE

FIG. 13

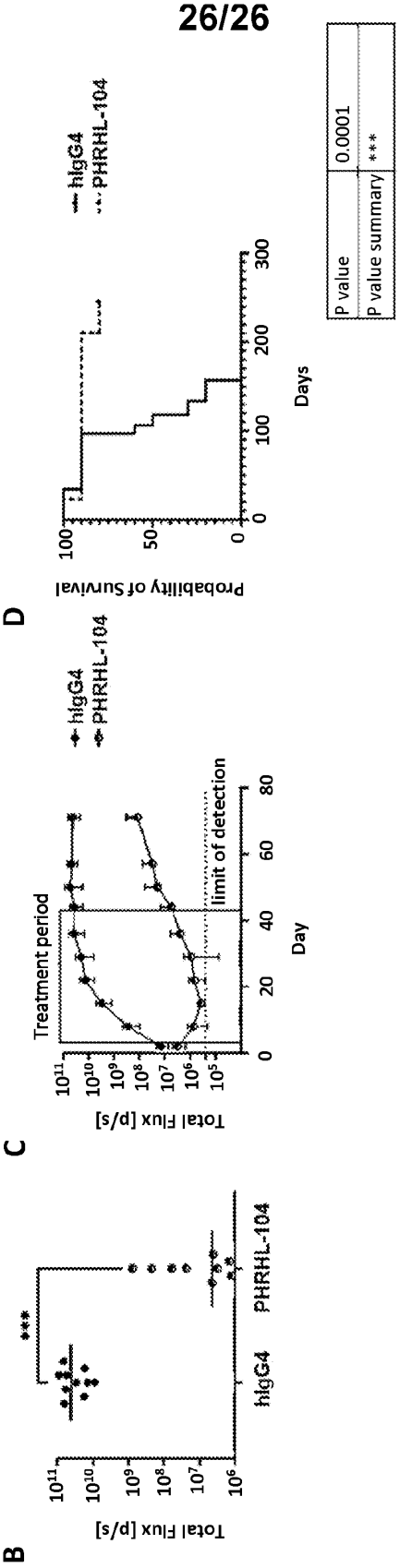


FIG. 13 (Continued)