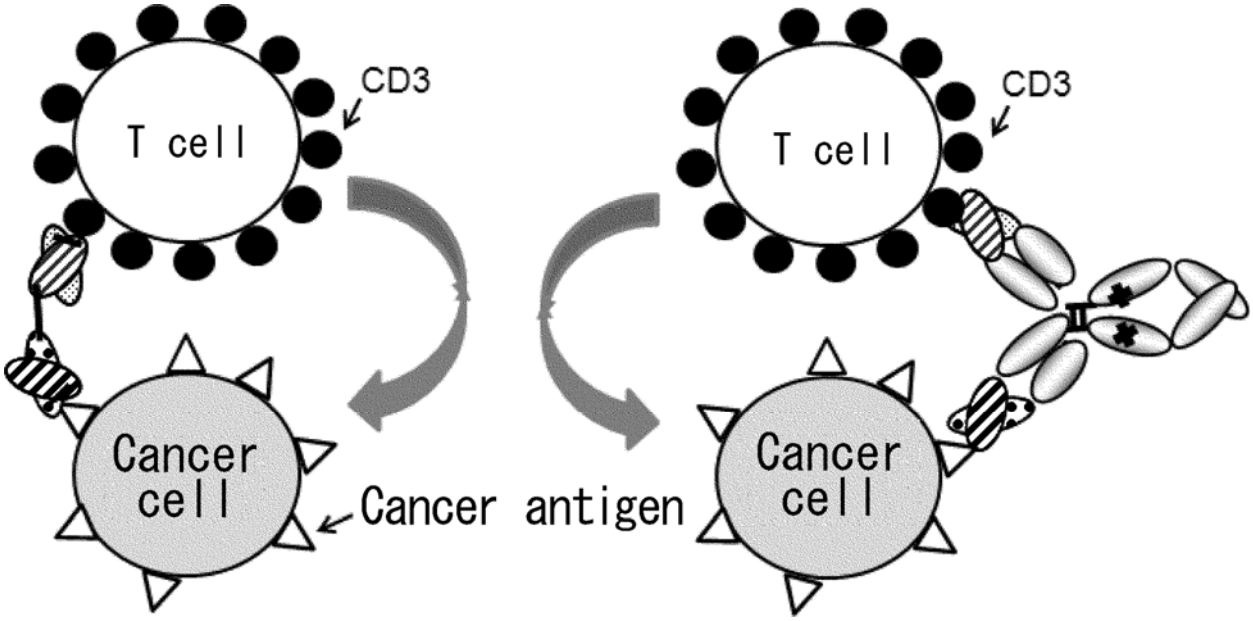



FIG. 1

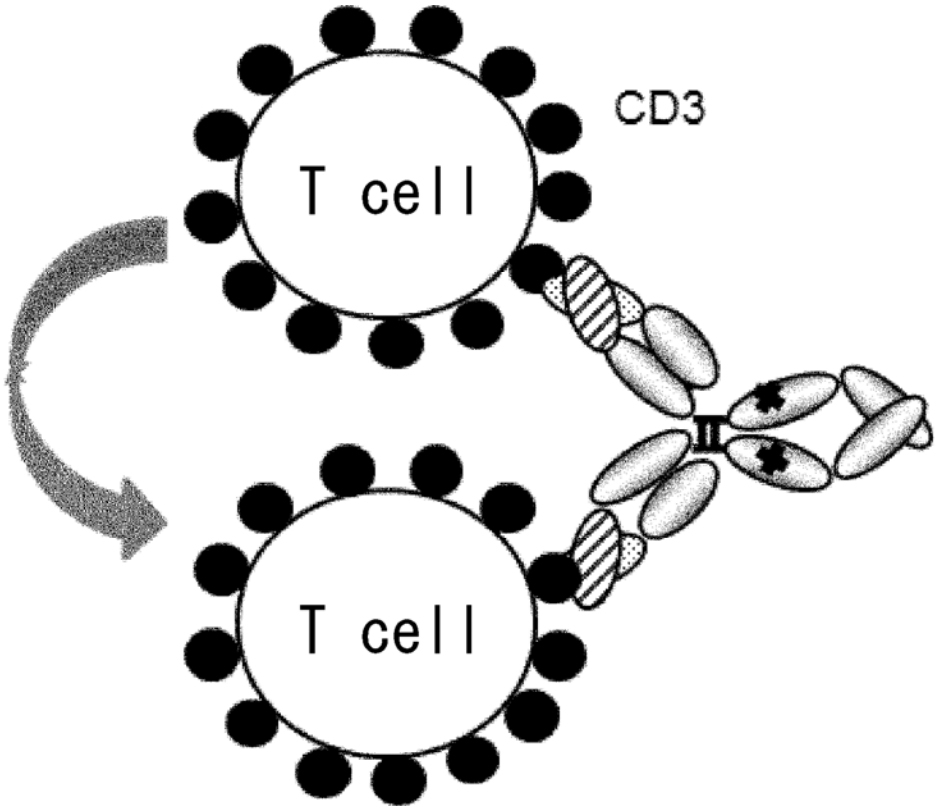



FIG. 2-1

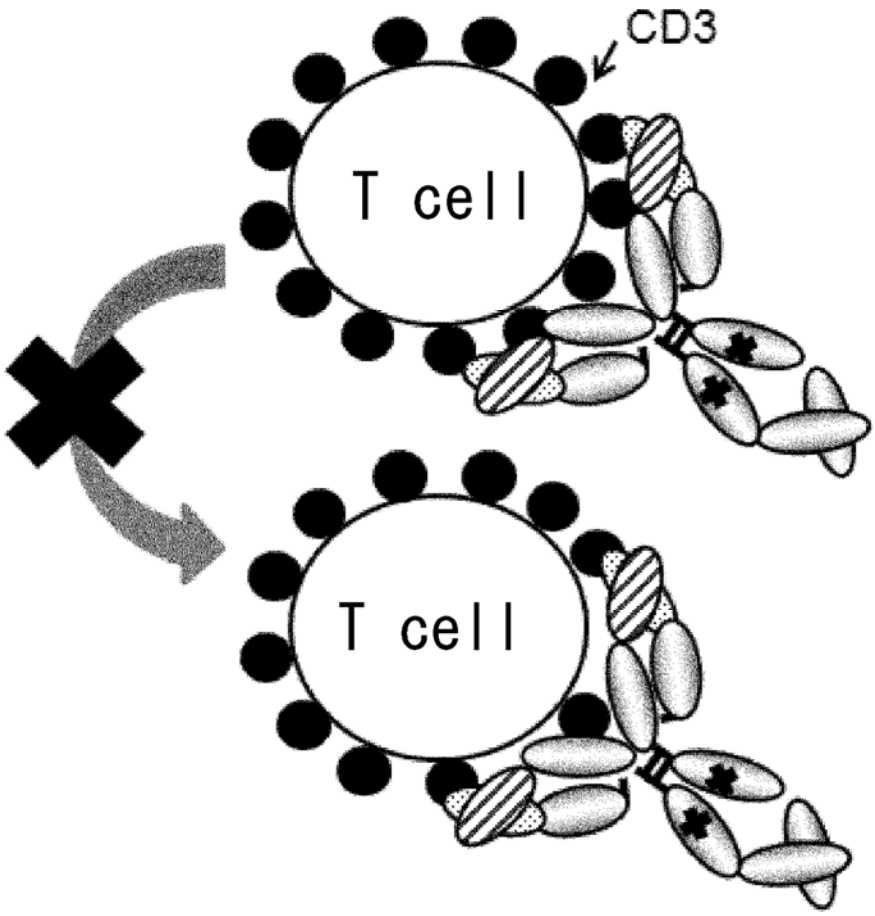



FIG. 2-2

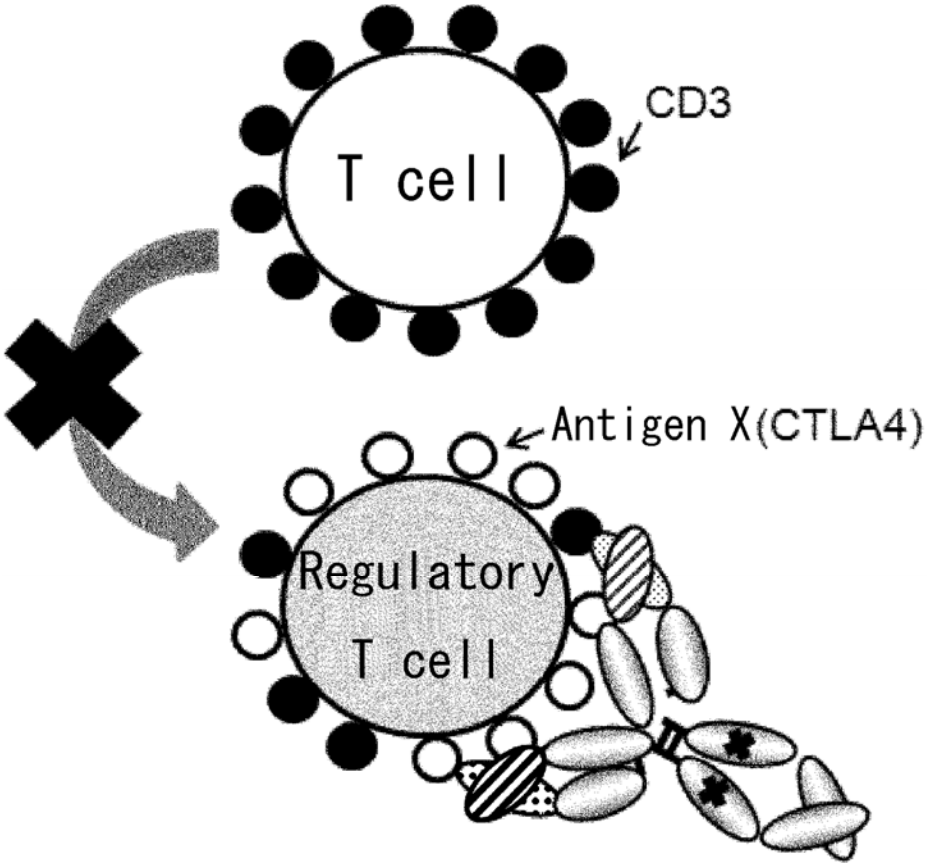



FIG. 3

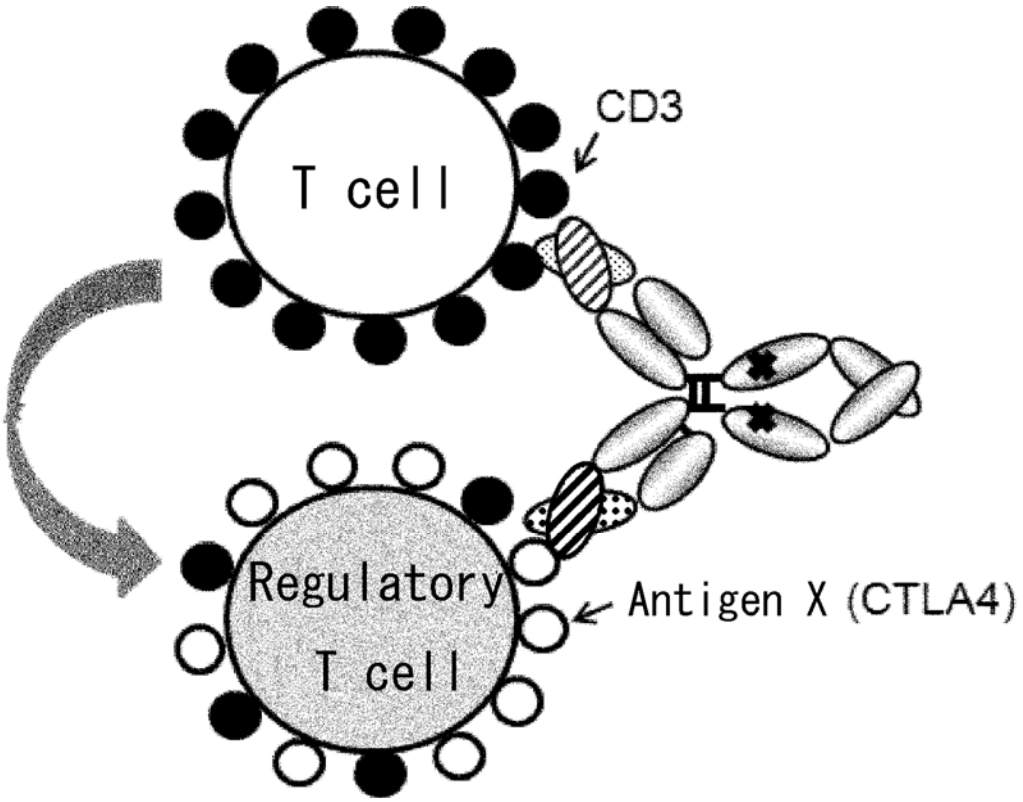



FIG. 4

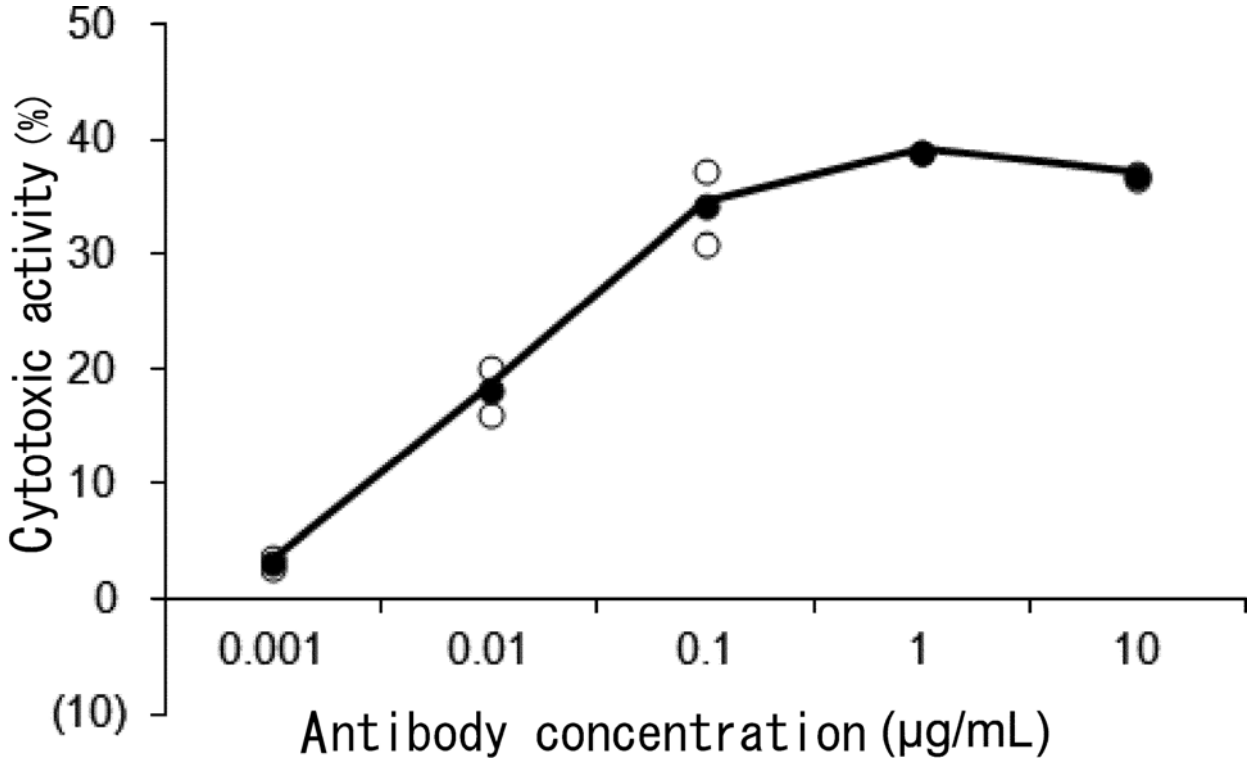

50
40
30
20
10
0
(10)
Cytotoxic activity (%)
0.001
0.01
0.1
1
10
Antibody concentration (μg/mL)

FIG. 5

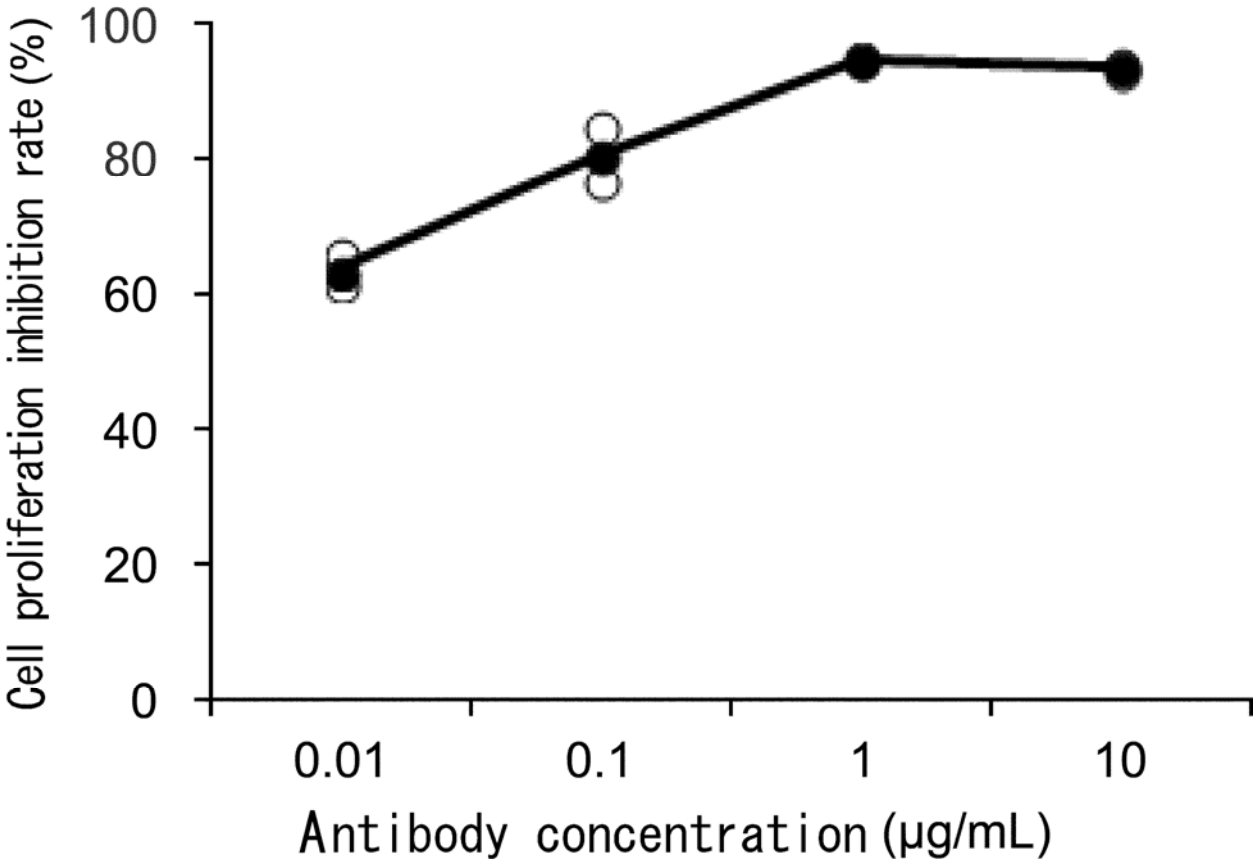

Cell proliferation inhibition rate (%)
100
80
60
40
20
0
0.01
0.1
1
10
Antibody concentration (μg/mL)

FIG. 6

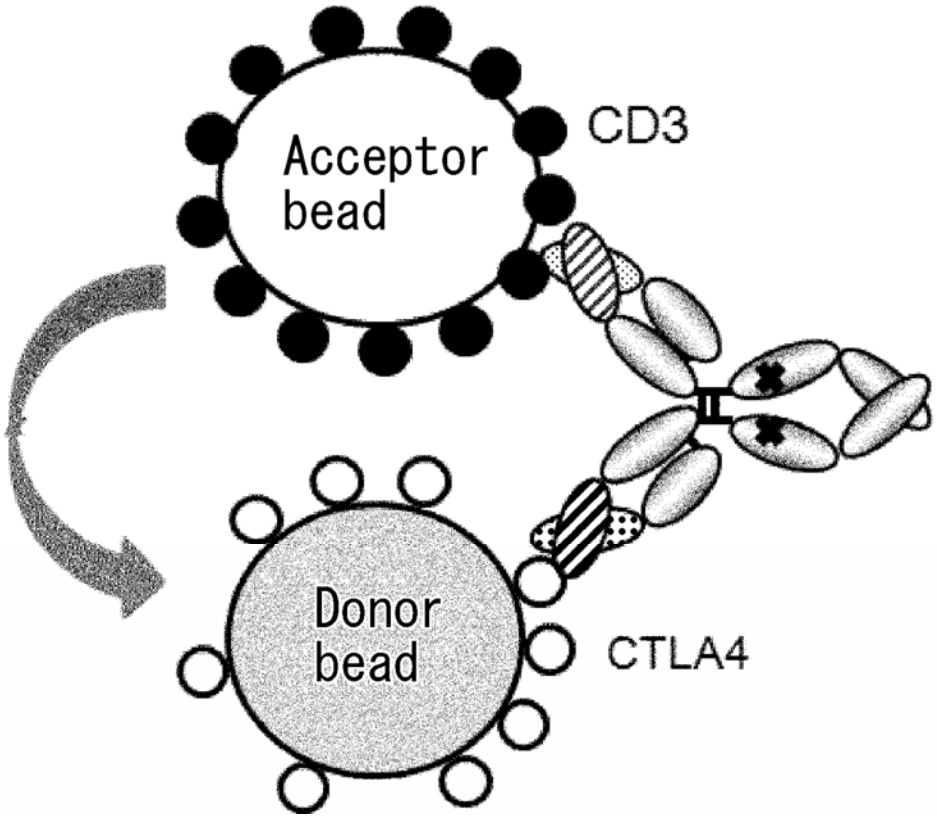



FIG. 7-1

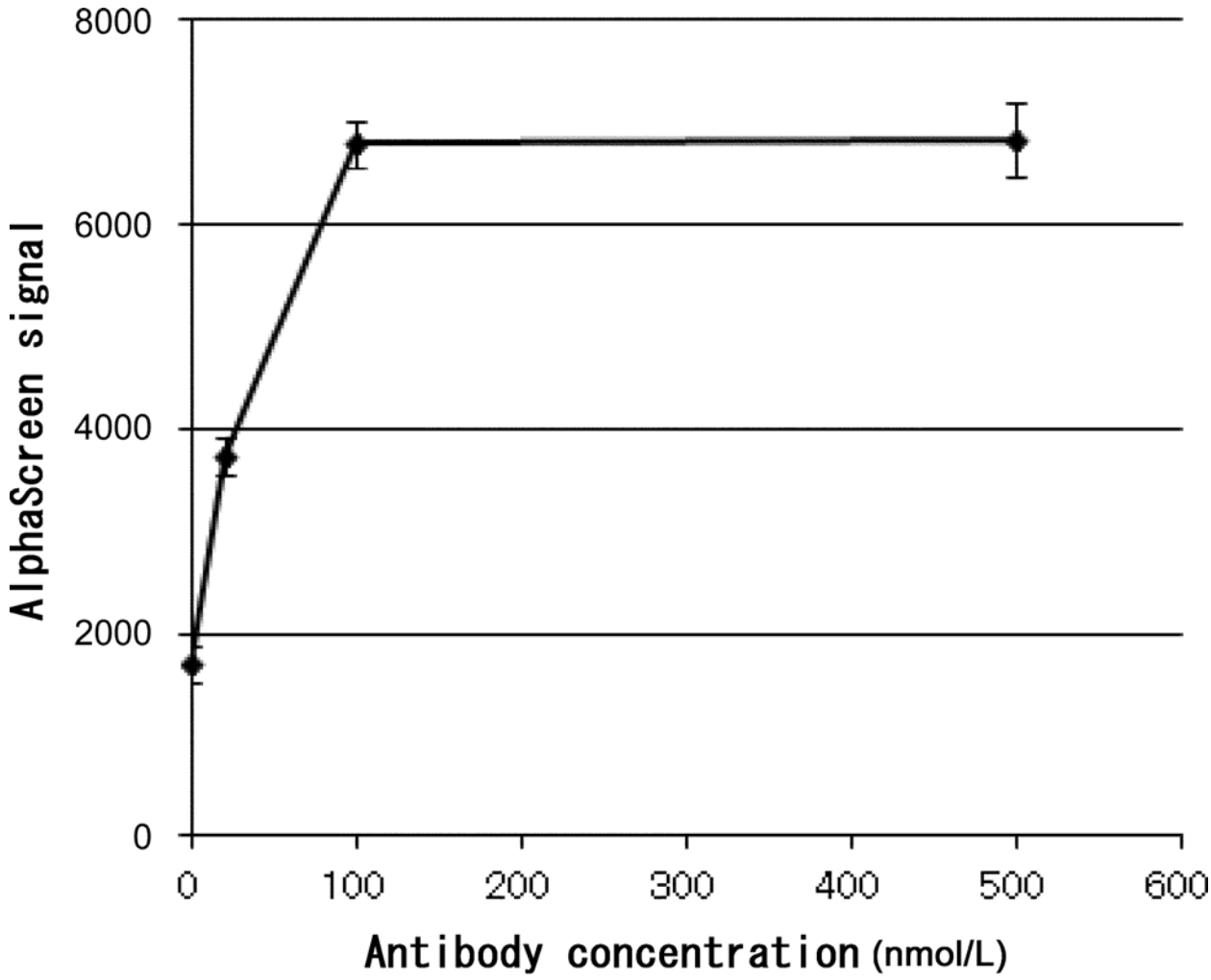

8000
6000
4000
2000
0
AlphaScreen signal
0
100
200
300
400
500
600
Antibody concentration (nmol/L)

FIG. 7-2

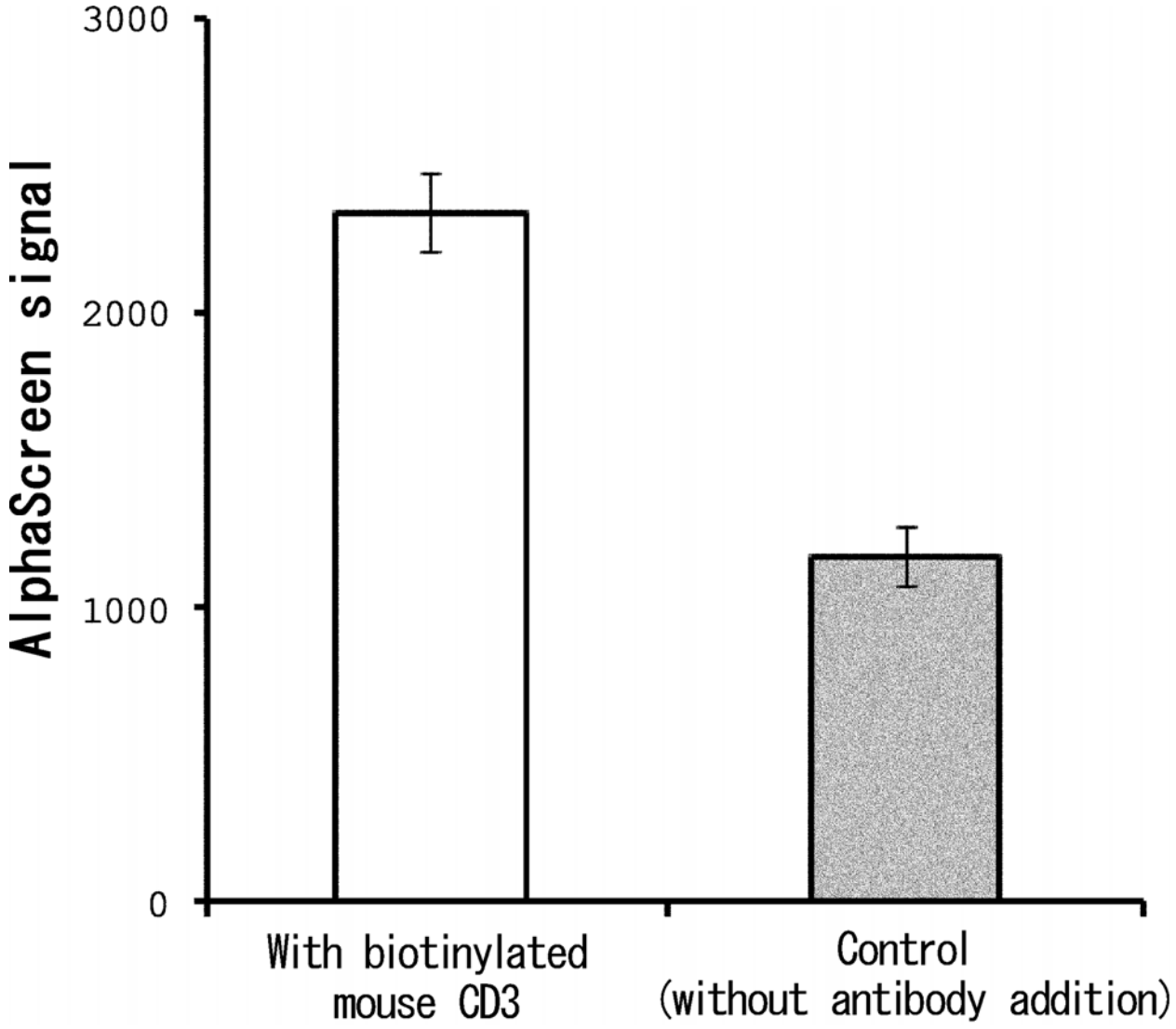

3000
2000
1000
0
AlphaScreen signal
With biotinylated mouse CD3
Control (without antibody addition)

FIG. 7-3

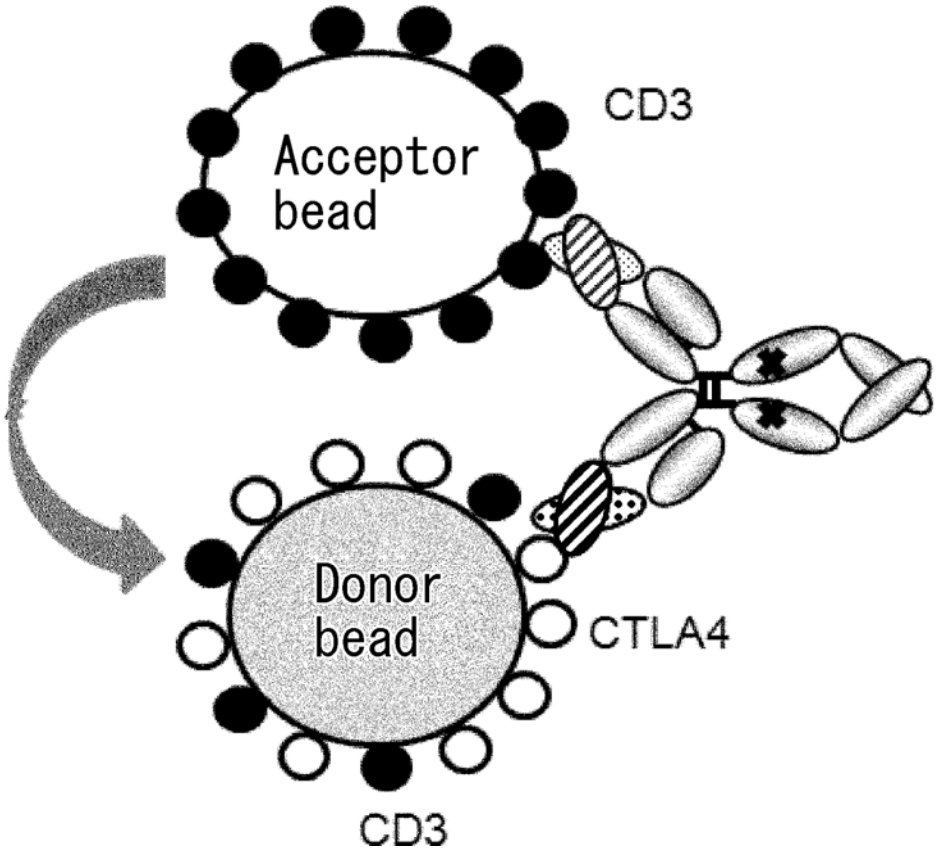



FIG. 7-4

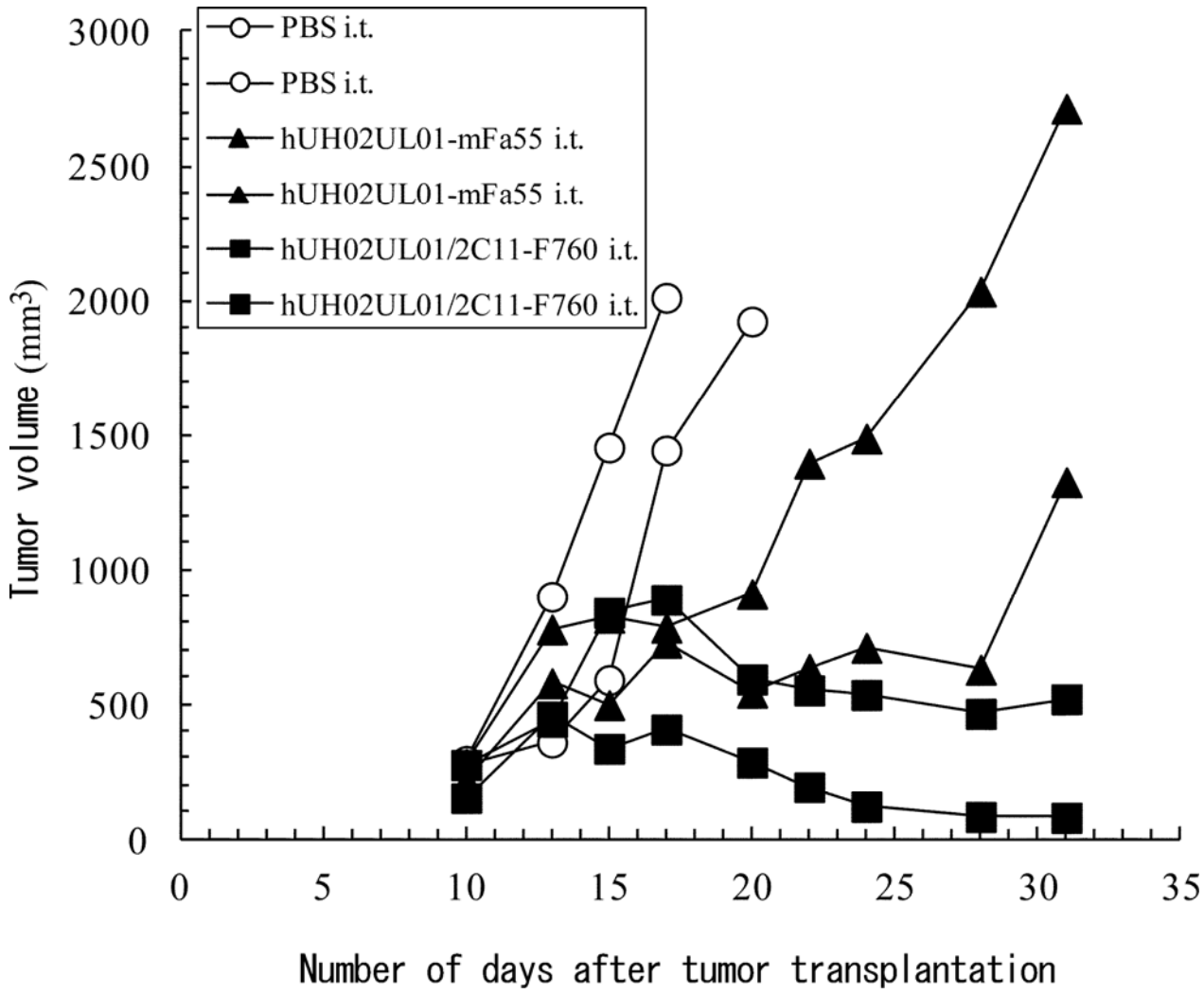

PBS i.t.
PBS i.t.
hUH02UL01-mFa55 i.t.
hUH02UL01-mFa55 i.t.
hUH02UL01/2C11-F760 i.t.
hUH02UL01/2C11-F760 i.t.
Tumor volume (mm3)
3000
2500
2000
1500
1000
500
0
0
5
10
15
20
25
30
35
Number of days after tumor transplantation

FIG. 8

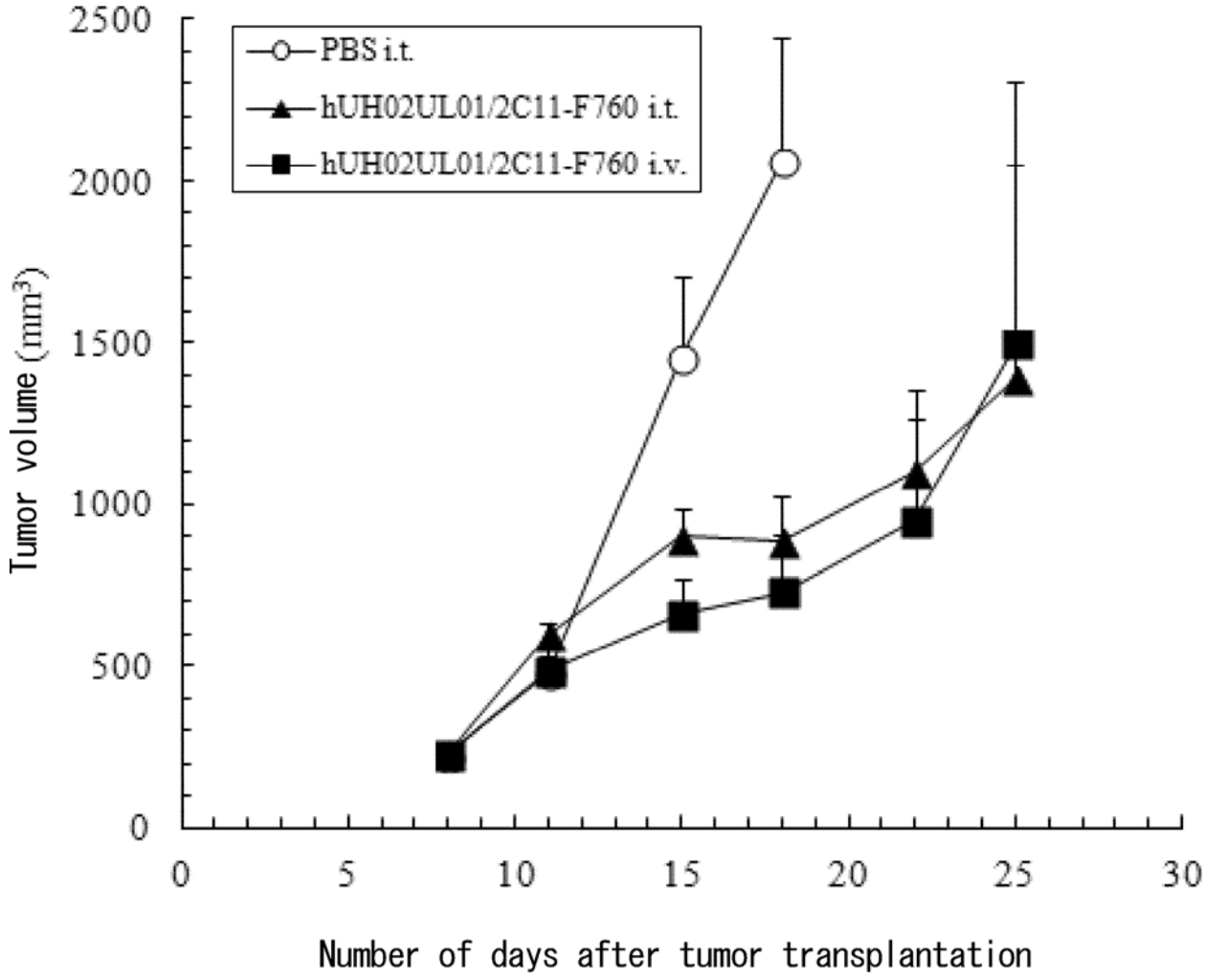

PBS i.t.
hUH02UL01/2C11-F760 i.t.
hUH02UL01/2C11-F760 i.v.
Tumor volume (mm³)
2500
2000
1500
1000
500
0
0
5
10
15
20
25
30
Number of days after tumor transplantation

FIG. 9

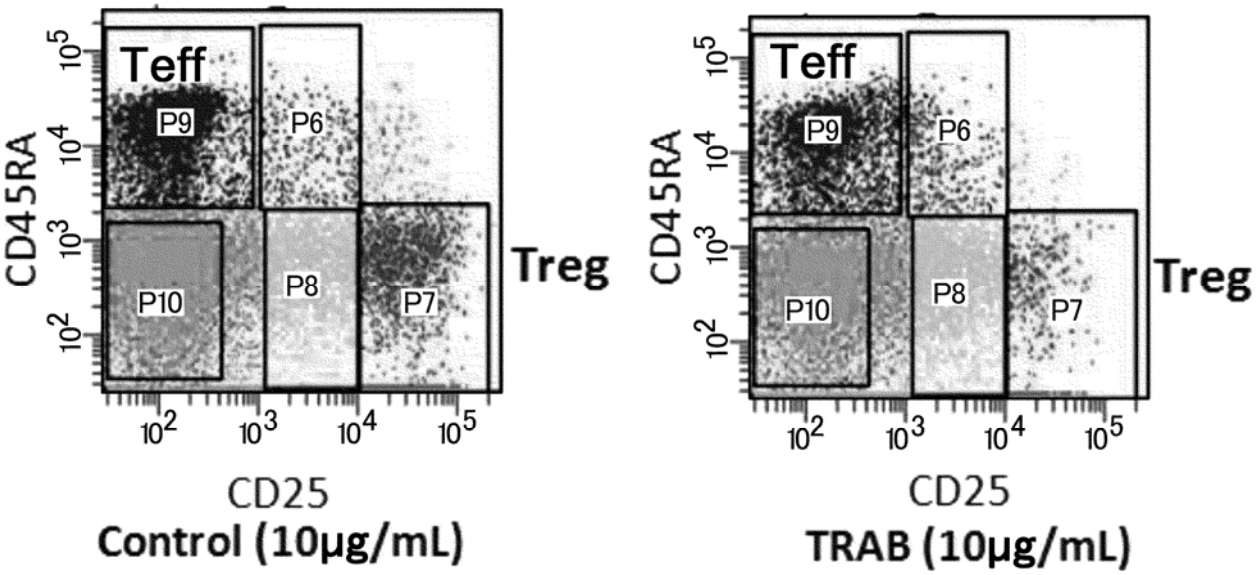

Teff
P9
P6
P10
P8
P7
Treg
CD45RA
CD25
Control (10μg/mL)
TRAB (10μg/mL)

FIG. 10-1

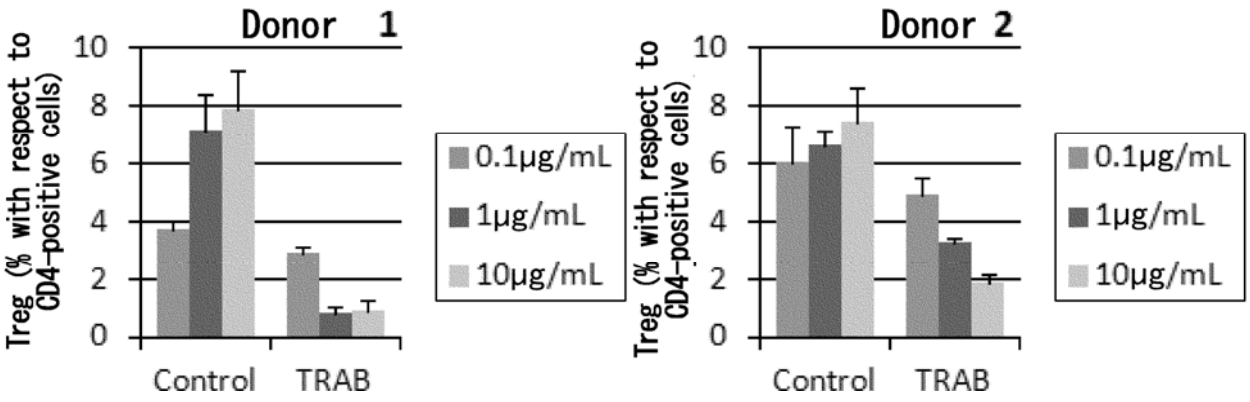

Donor 1
Treg (% with respect to CD4-positive cells)
10
8
6
4
2
0
Control
TRAB
0.1μg/mL
1μg/mL
10μg/mL
Donor 2
Treg (% with respect to CD4-positive cells)
10
8
6
4
2
0
Control
TRAB
0.1μg/mL
1μg/mL
10μg/mL

FIG. 10-2

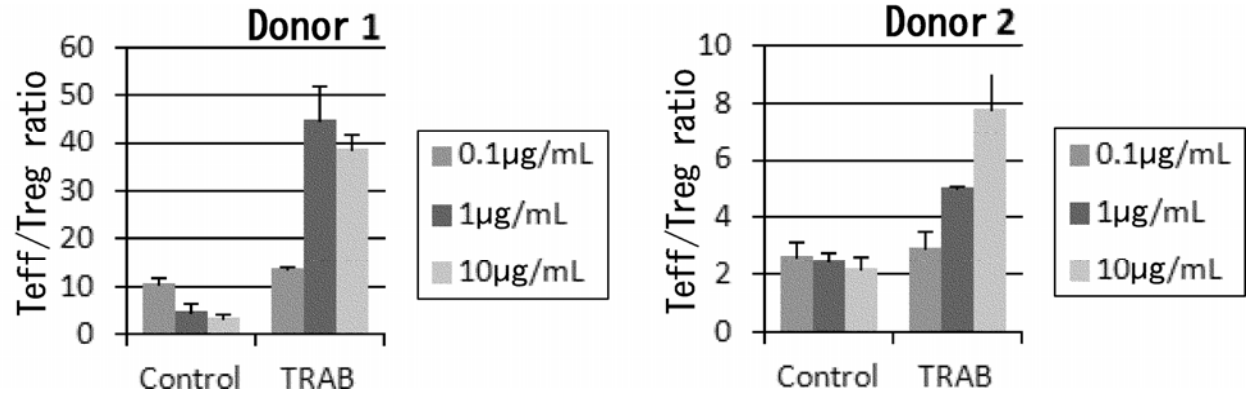

Donor 1
Teff/Treg ratio
60
50
40
30
20
10
0
Control
TRAB
0.1μg/mL
1μg/mL
10μg/mL
Donor 2
Teff/Treg ratio
10
8
6
4
2
0
Control
TRAB
0.1μg/mL
1μg/mL
10μg/mL

FIG. 10-3

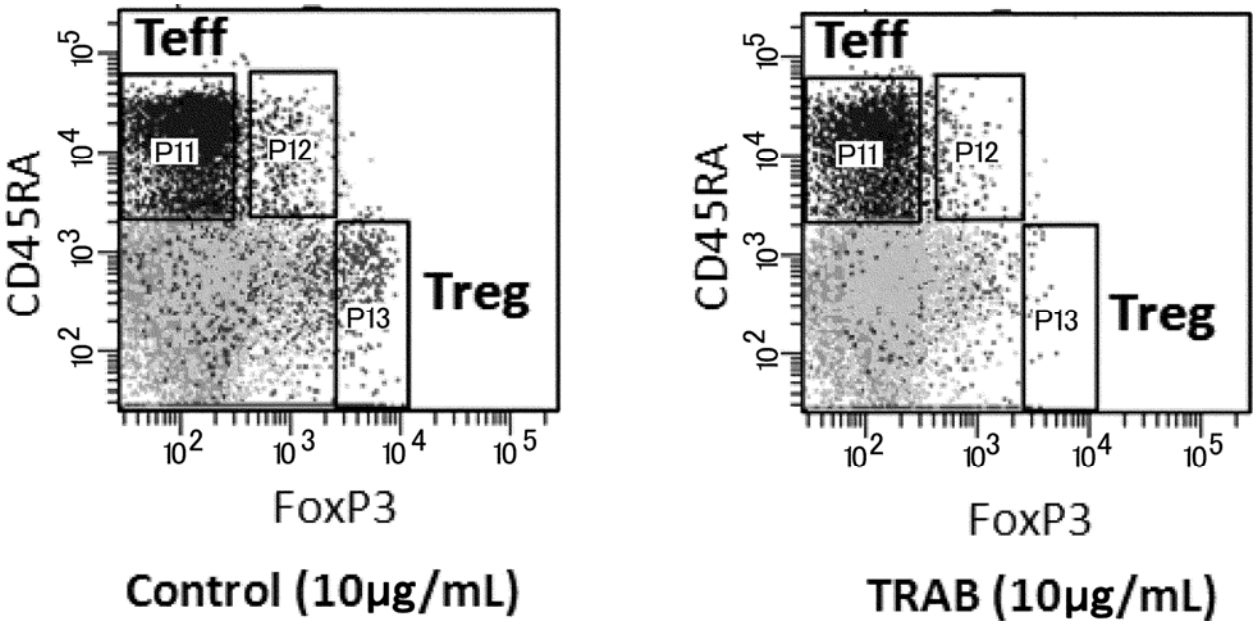

Teff
P11
P12
P13
Treg
CD45RA
FoxP3
Control (10μg/mL)
Teff
P11
P12
P13
Treg
CD45RA
FoxP3
TRAB (10μg/mL)

FIG. 11-1

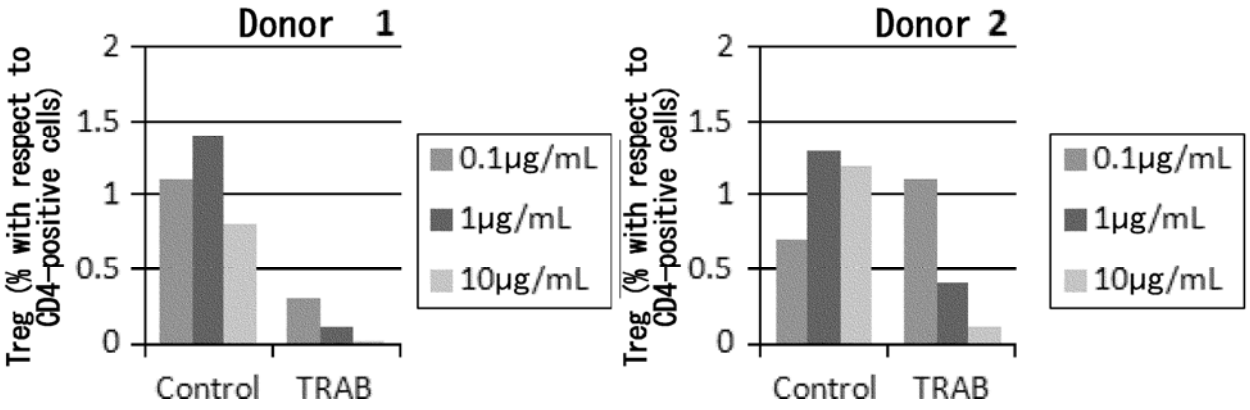

Donor 1
Treg (% with respect to CD4-positive cells)
2
1.5
1
0.5
0
Control
TRAB
0.1μg/mL
1μg/mL
10μg/mL
Donor 2
Treg (% with respect to CD4-positive cells)
2
1.5
1
0.5
0
Control
TRAB
0.1μg/mL
1μg/mL
10μg/mL

FIG. 11-2

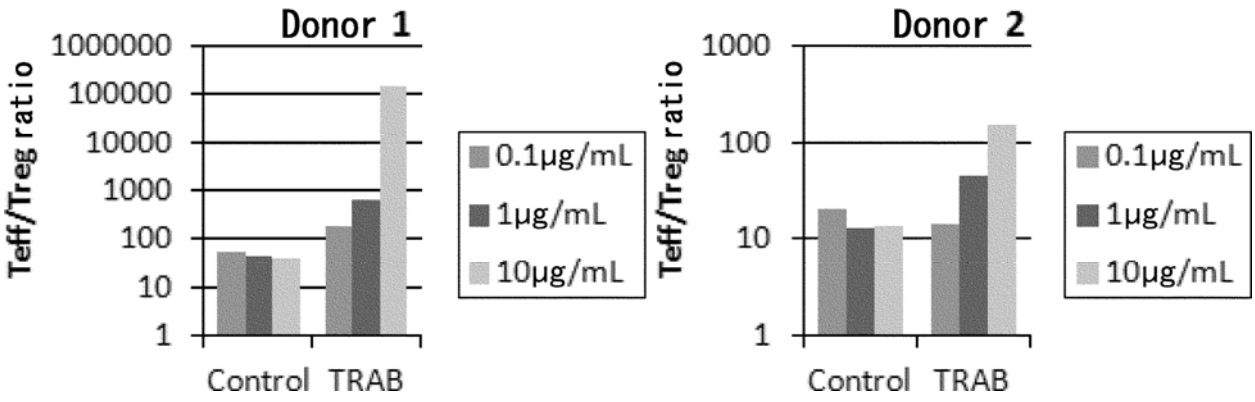

Donor 1
Teff/Treg ratio
1000000
100000
10000
1000
100
10
1
Control
TRAB
0.1μg/mL
1μg/mL
10μg/mL
Donor 2
Teff/Treg ratio
1000
100
10
1
Control
TRAB
0.1μg/mL
1μg/mL
10μg/mL

FIG. 11-3


Kabat 1 2
EU index 1-2---------3---------4---------5---------6---------7---------8---------9---------0---------1---------2--
8-0---------0---------0---------0---------0---------0---------0---------0---------0---------0---------0--
IgG1 ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYICNVNHKPSNTKVDKKVEPKSCD-
IgG2 ASTKGPSVFPLAPCSRSTSESTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSNFGTQTYTCNVDHKPSNTKVDKTVERK--CC
IgG3 ASTKGPSVFPLAPCSRSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYTCNVNHKPSNTKVDKRVELKTPLG
IgG4 ASTKGPSVFPLAPCSRSTSESTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTKTYTCNVDHKPSNTKVDKRVESKYG--
Kabat 2
EU index 2----------3---------4---------5---------6---------7---------8
2-----8----------0---------0---------0---------0---------0---------0
IgG1 -KTHTCPP----------CPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVD
IgG2 -V-E-CPP----------CPAPPVA-GPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVQFNWYVD
IgG3 DTTHTCPRCPEPKSCDTPPPCPRCPEPKSCDTPPPCPRCPEPKSCDTPPPCPRCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVQFKWYVD
IgG4 ---PPCPS----------CPAPEFLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSQEDPEVQFNWYVD
Kabat 2 3
EU index 8--------9---------0---------1---------2---------3---------4---------5---------6---------7---------8-----
1--------0---------0---------0---------0---------0---------0---------0---------0---------0---------0-----
IgG1 GVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNG
IgG2 GVEVHNAKTKPREEQFNSTFRVVSVLTVVHQDWLNGKEYKCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNG
IgG3 GVEVHNAKTKPREEQYNSTFRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKTKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESSG
IgG4 GVEVHNAKTKPREEQFNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKGLPSSIEKTISKAKGQPREPQVYTLPPSQEEMTKNQVSLTCLVKGFYPSDIAVEWESNG
Kabat 3 4
EU index 8---9---------0---------1---------2---------3---------4
6---0---------0---------0---------0---------0---------0------7
IgG1 QPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK (SEQ ID NO:5)
IgG2 QPENNYKTTPPMLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK (SEQ ID NO:6)
IgG3 QPENNYNTTPPMLDSDGSFFLYSKLTVDKSRWQQGNIFSCSVMHEALHNRFTQKSLSLSPGK (SEQ ID NO:7)
IgG4 QPENNYKTTPPVLDSDGSFFLYSRLTVDKSRWQEGNVFSCSVMHEALHNHYTQKSLSLSLGK (SEQ ID NO:8)

FIG. 12

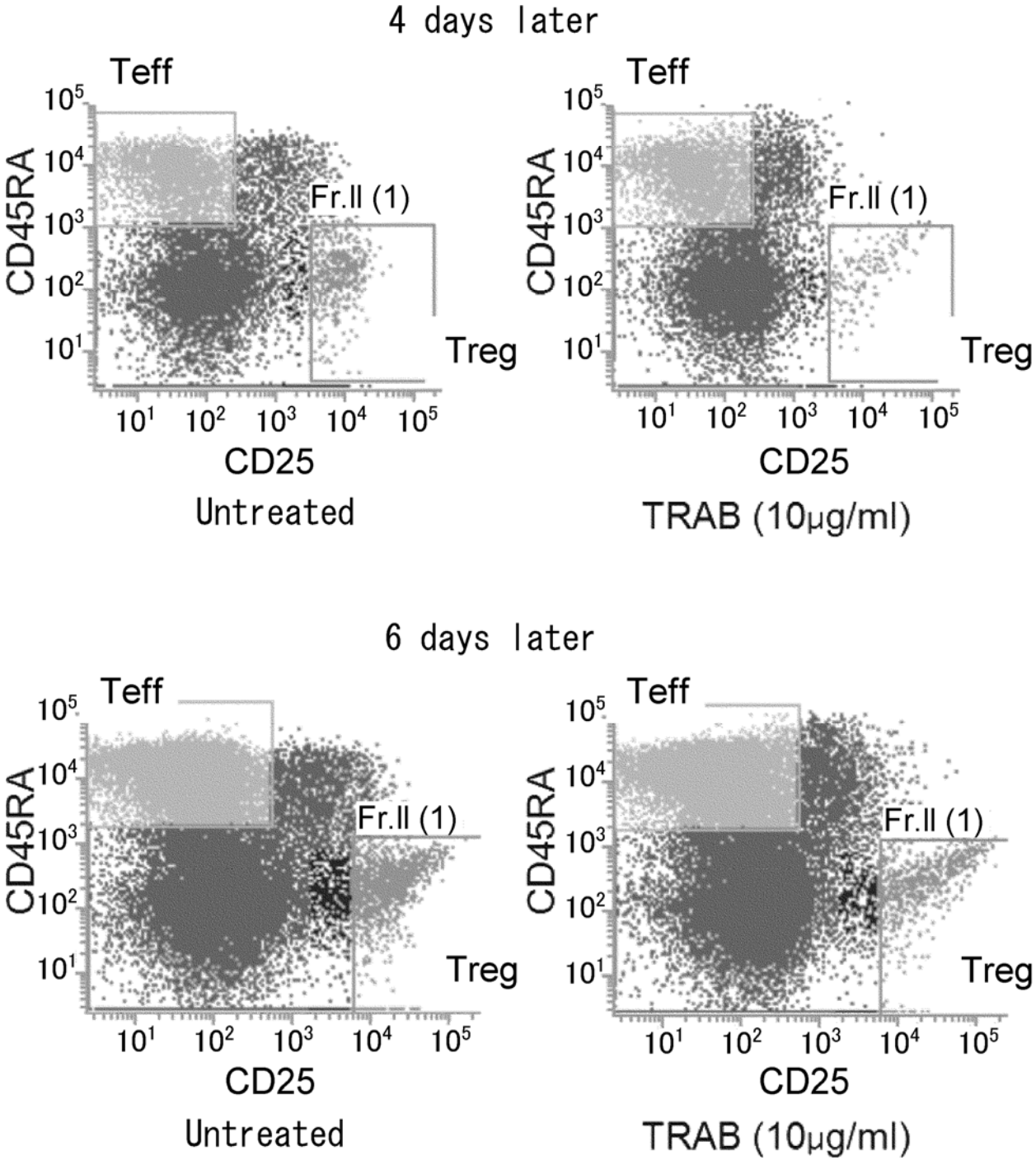

4 days later
Teff
Fr.II (1)
Treg
CD45RA
CD25
Untreated
TRAB (10μg/ml)
6 days later

FIG. 13

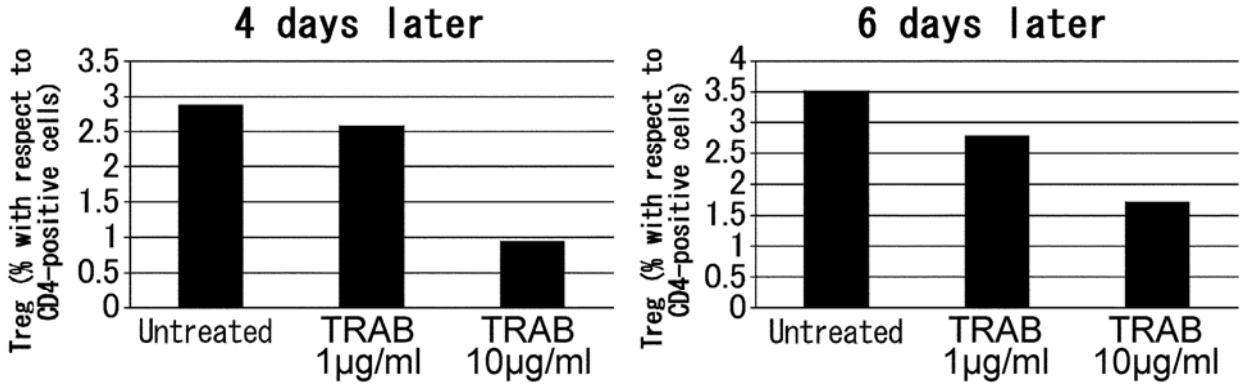

4 days later
Treg (% with respect to CD4-positive cells)
3.5
3
2.5
2
1.5
1
0.5
0
Untreated
TRAB 1μg/ml
TRAB 10μg/ml
6 days later
Treg (% with respect to CD4-positive cells)
4
3.5
3
2.5
2
1.5
1
0.5
0
Untreated
TRAB 1μg/ml
TRAB 10μg/ml

FIG. 14

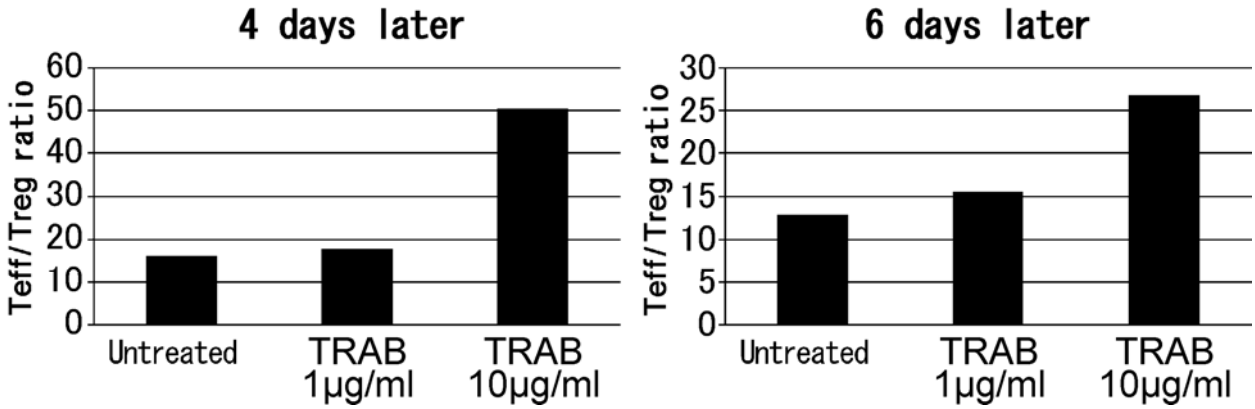

4 days later
Teff/Treg ratio
60
50
40
30
20
10
0
Untreated
TRAB 1μg/ml
TRAB 10μg/ml
6 days later
Teff/Treg ratio
30
25
20
15
10
5
0
Untreated
TRAB 1μg/ml
TRAB 10μg/ml

FIG. 15

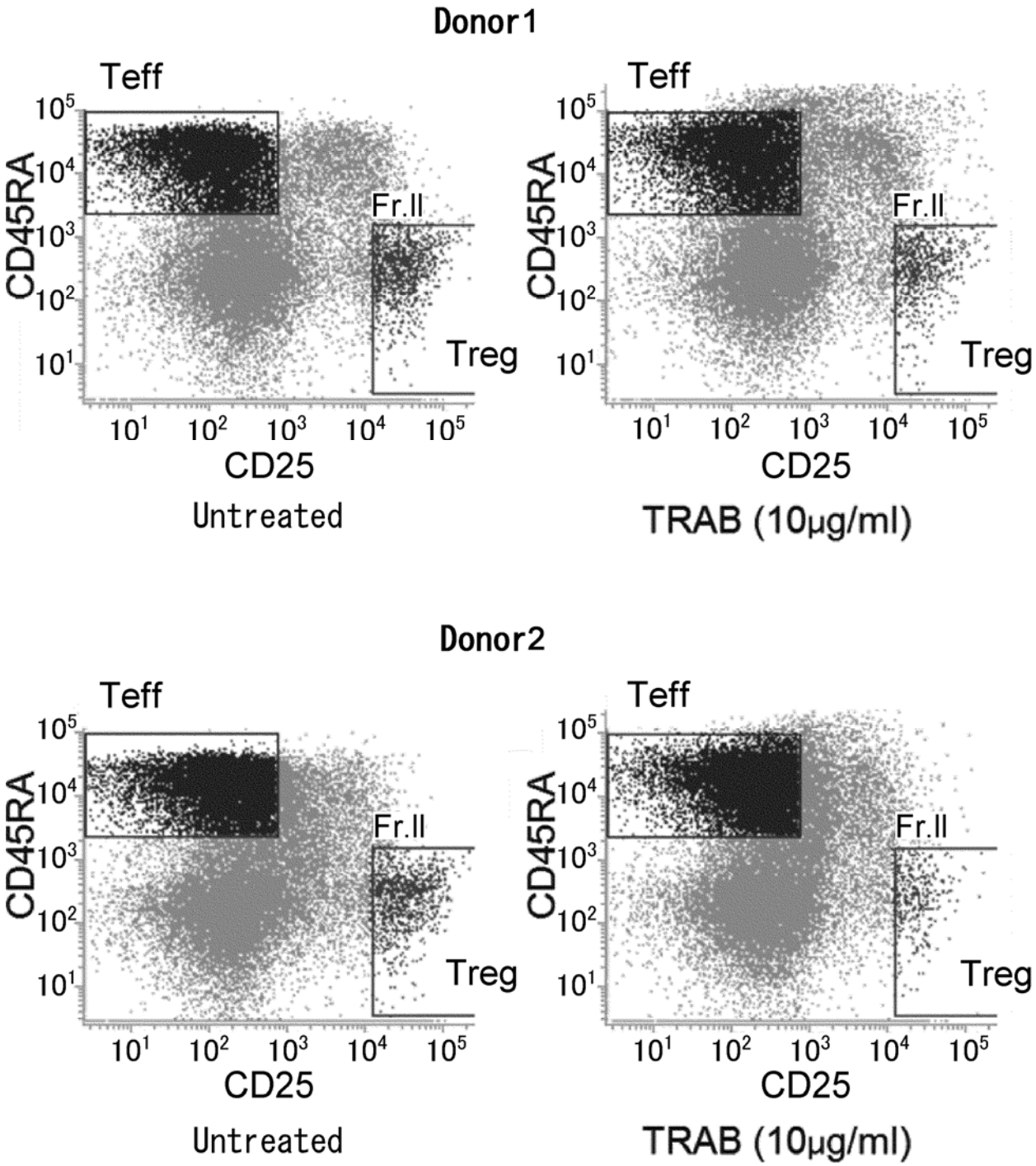

Donor1
Teff
Fr.II
Treg
CD45RA
CD25
Untreated
TRAB (10μg/ml)
Donor2
Teff
Fr.II
Treg
CD45RA
CD25
Untreated
TRAB (10μg/ml)

FIG. 16

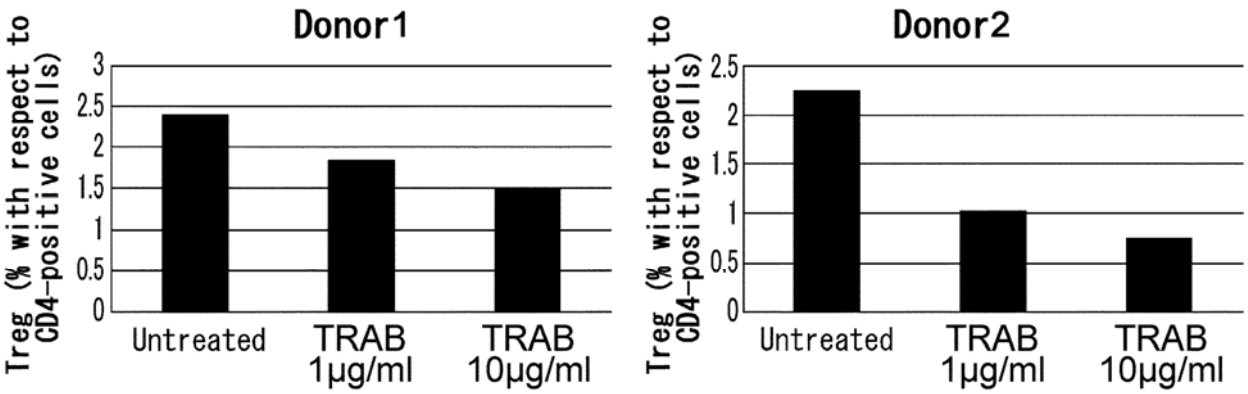

Donor1
Treg (% with respect to CD4-positive cells)
3
2.5
2
1.5
1
0.5
0
Untreated
TRAB 1μg/ml
TRAB 10μg/ml
Donor2
Treg (% with respect to CD4-positive cells)
2.5
2
1.5
1
0.5
0
Untreated
TRAB 1μg/ml
TRAB 10μg/ml

FIG. 17

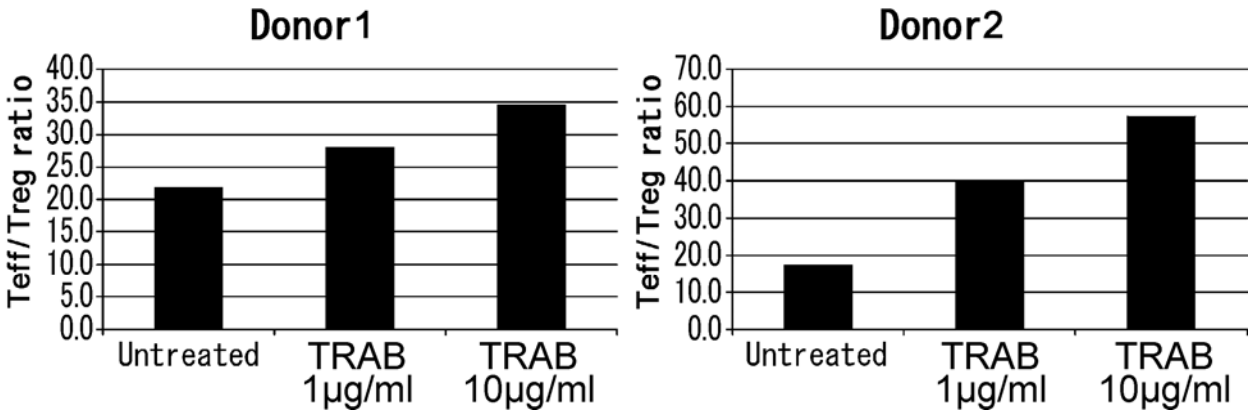

Donor1
Teff/Treg ratio
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
Untreated
TRAB 1μg/ml
TRAB 10μg/ml
Donor2
Teff/Treg ratio
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
Untreated
TRAB 1μg/ml
TRAB 10μg/ml

FIG. 18