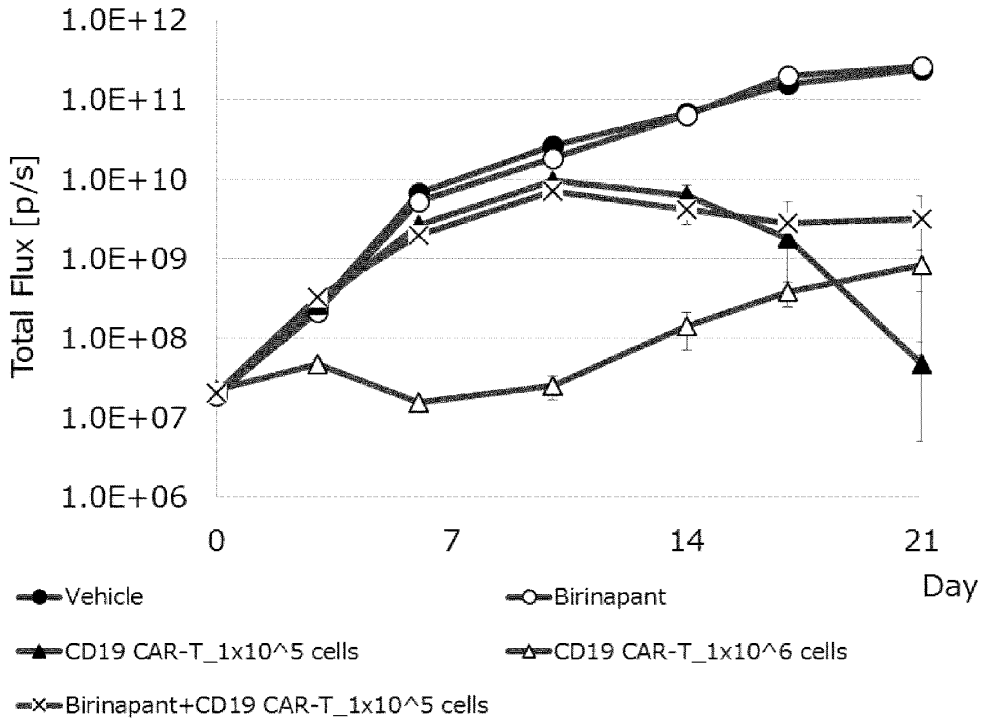
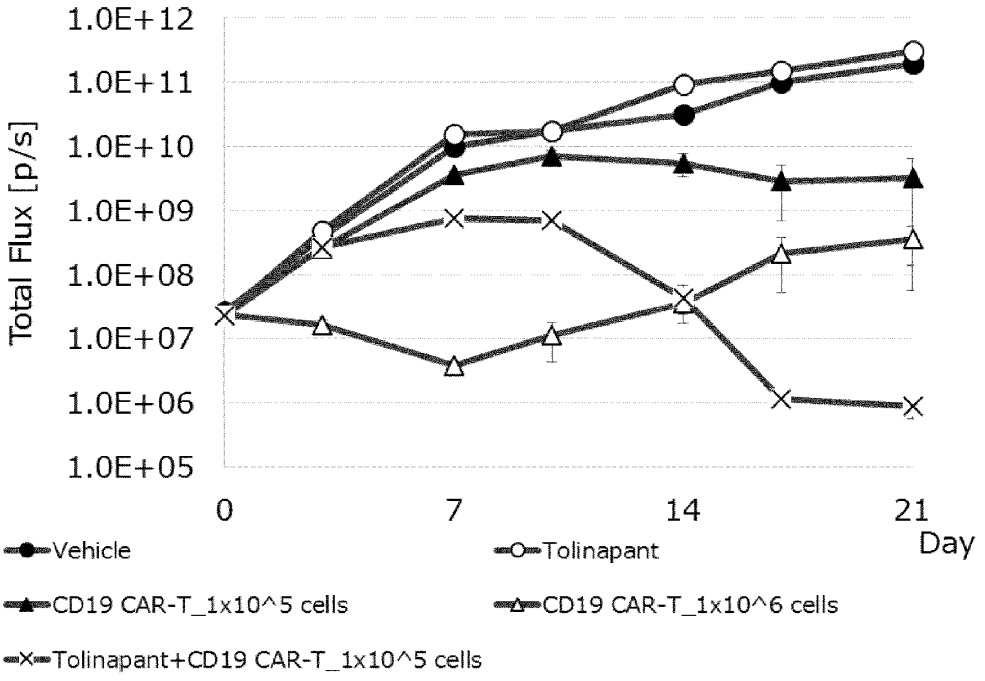
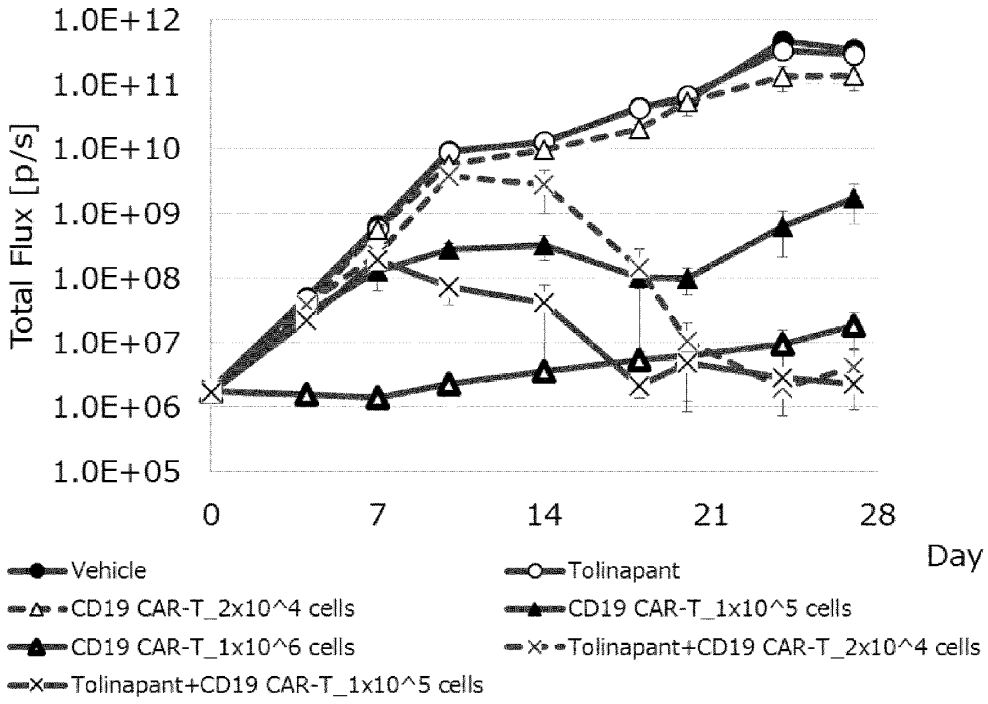
[図1]


1.0E+12
1.0E+11
1.0E+10
1.0E+09
1.0E+08
1.0E+07
1.0E+06
Total Flux [p/s]
0
7
14
21
Day
Vehicle
Birinapant
CD19 CAR-T_1x10^5 cells
CD19 CAR-T_1x10^6 cells
Birinapant+CD19 CAR-T_1x10^5 cells

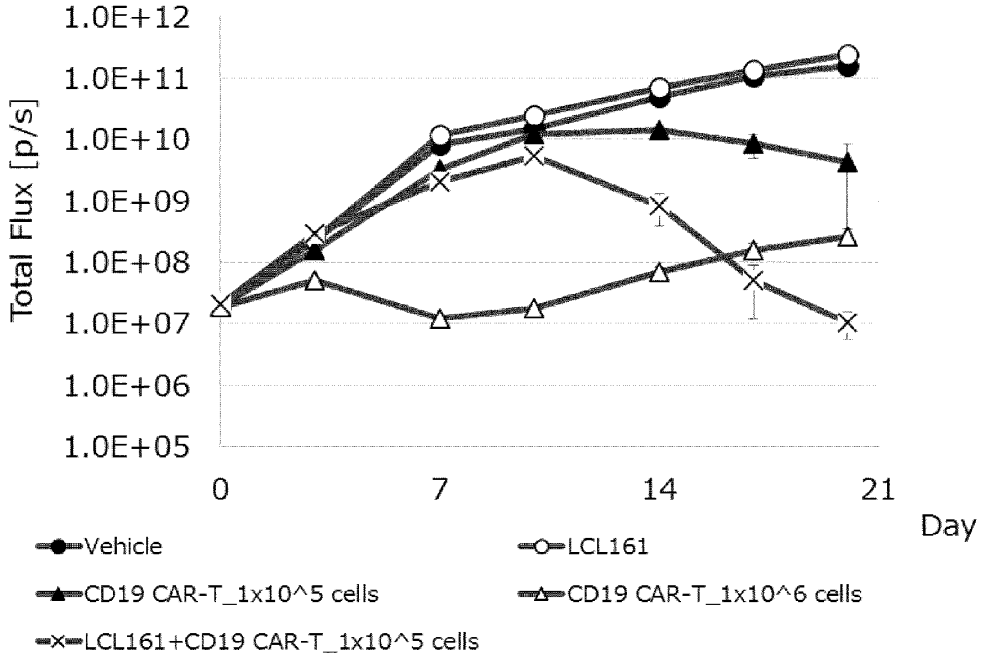
[図2]


1.0E+12
1.0E+11
1.0E+10
1.0E+09
1.0E+08
1.0E+07
1.0E+06
1.0E+05
Total Flux [p/s]
0
7
14
21
Day
Vehicle
Tolinapant
CD19 CAR-T_1x10^5 cells
CD19 CAR-T_1x10^6 cells
Tolinapant+CD19 CAR-T_1x10^5 cells

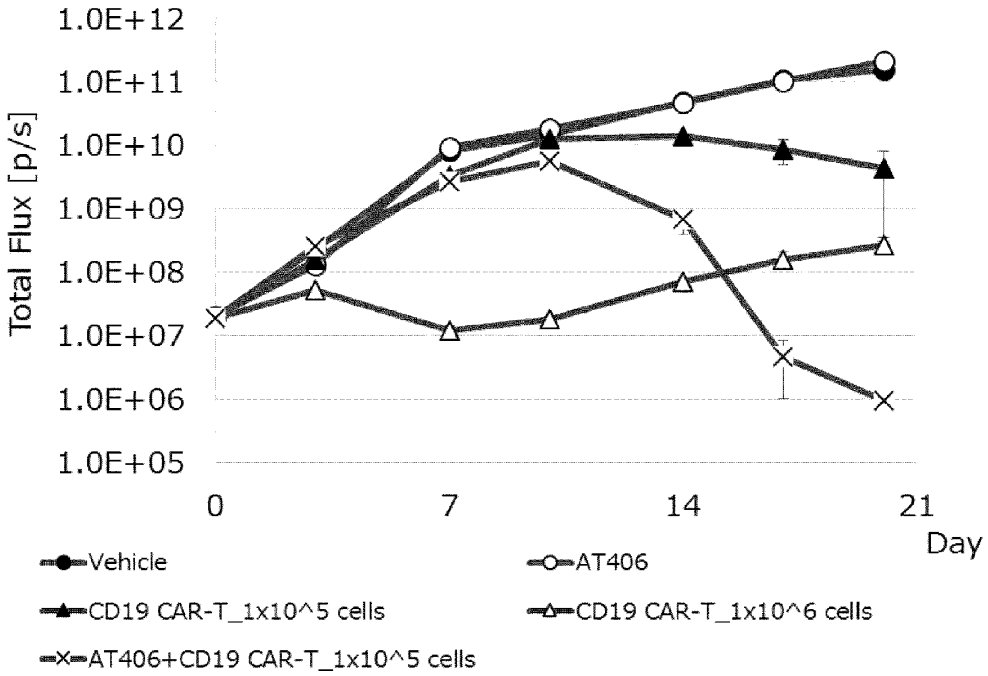
[図3]


1.0E+12
1.0E+11
1.0E+10
1.0E+09
1.0E+08
1.0E+07
1.0E+06
1.0E+05
Total Flux [p/s]
0
7
14
21
28
Day
Vehicle
Tolinapant
CD19 CAR-T_2x10^4 cells
CD19 CAR-T_1x10^5 cells
CD19 CAR-T_1x10^6 cells
Tolinapant+CD19 CAR-T_2x10^4 cells
Tolinapant+CD19 CAR-T_1x10^5 cells

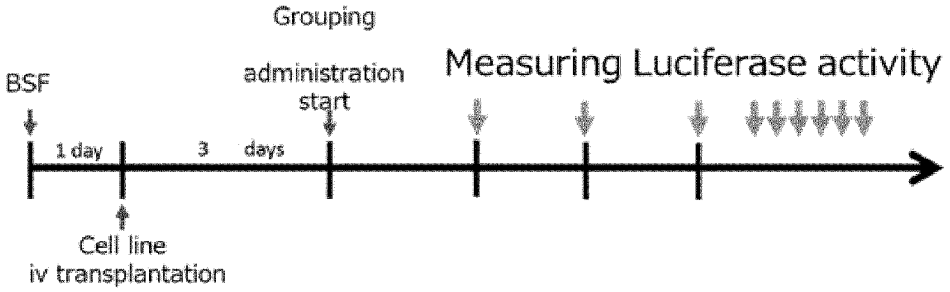
[図4]


1.0E+12
1.0E+11
1.0E+10
1.0E+09
1.0E+08
1.0E+07
1.0E+06
1.0E+05
Total Flux [p/s]
0
7
14
21
Day
Vehicle
LCL161
CD19 CAR-T_1x10^5 cells
CD19 CAR-T_1x10^6 cells
LCL161+CD19 CAR-T_1x10^5 cells

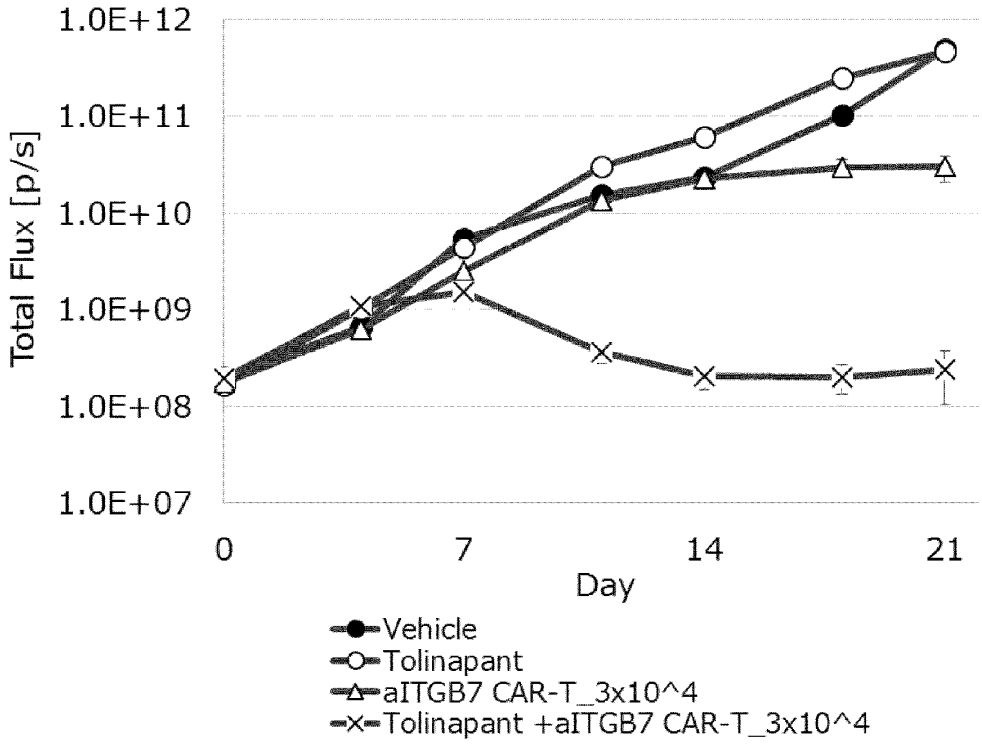
[図5]


1.0E+12
1.0E+11
1.0E+10
1.0E+09
1.0E+08
1.0E+07
1.0E+06
1.0E+05
Total Flux [p/s]
0
7
14
21
Day
Vehicle
AT406
CD19 CAR-T_1x10^5 cells
CD19 CAR-T_1x10^6 cells
AT406+CD19 CAR-T_1x10^5 cells

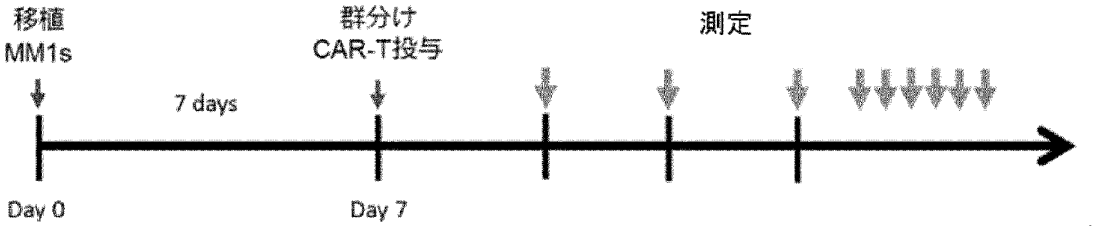
[図6]


Grouping
administration start
Measuring Luciferase activity
BSF
1 day
3 days
Cell line iv transplantation

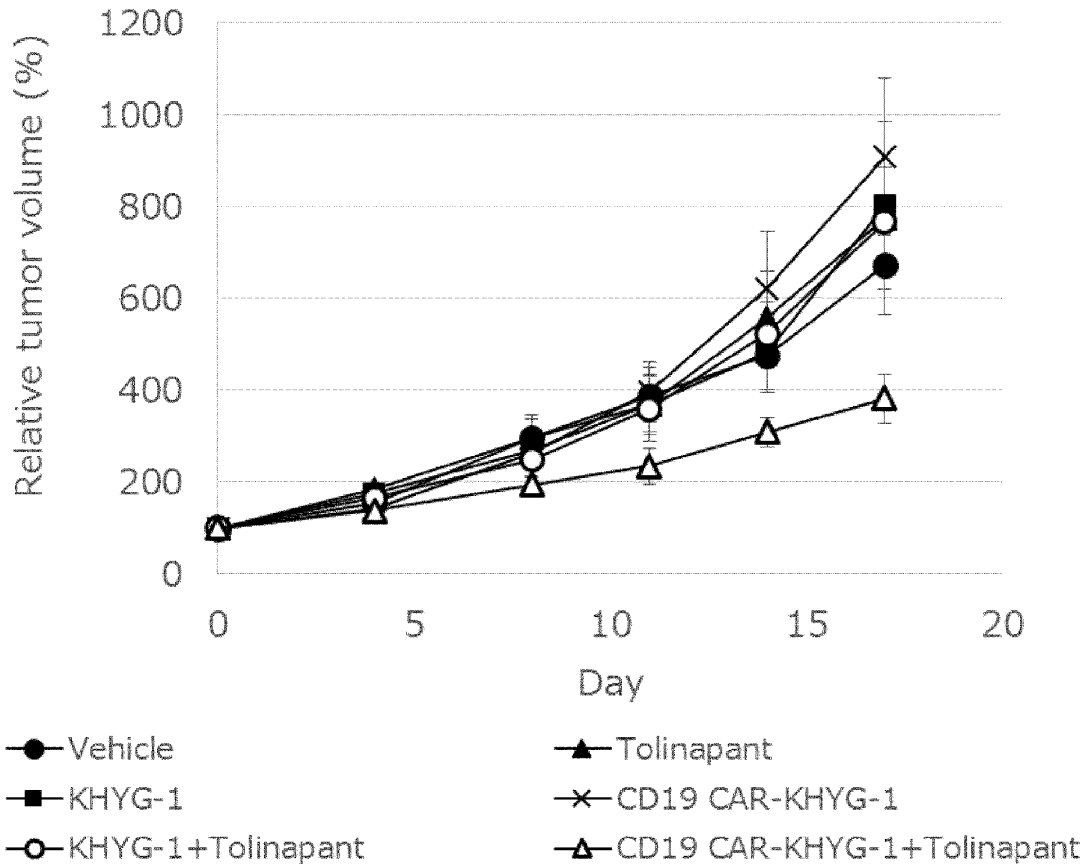
[図7]


1.0E+12
1.0E+11
1.0E+10
1.0E+09
1.0E+08
1.0E+07
Total Flux [p/s]
0
7
14
21
Day
Vehicle
Tolinapant
aITGB7 CAR-T_3x10^4
Tolinapant +aITGB7 CAR-T_3x10^4

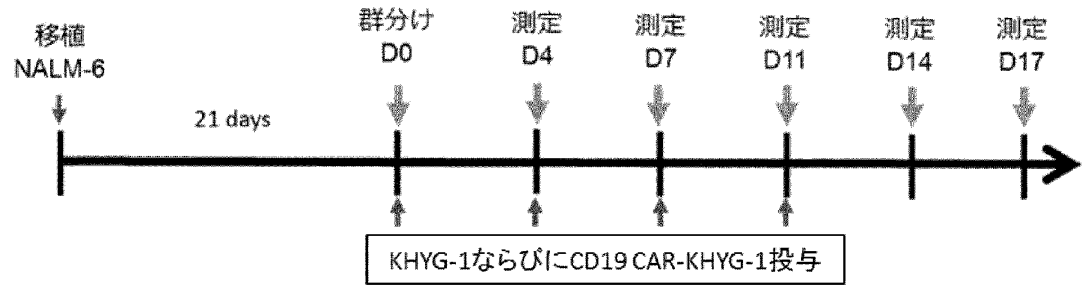
[図8]


移植
MM1s
群分け
CAR-T投与
測定
7 days
Day 0
Day 7

[図9]


Relative tumor volume (%)
1200
1000
800
600
400
200
0
0
5
10
15
20
Day
Vehicle
Tolinapant
KHYG-1
CD19 CAR-KHYG-1
KHYG-1+Tolinapant
CD19 CAR-KHYG-1+Tolinapant

[図10]


移植
NALM-6
21 days
群分け
D0
測定
D4
測定
D7
測定
D11
測定
D14
測定
D17
KHYG-1ならびにCD19 CAR-KHYG-1投与