Figures

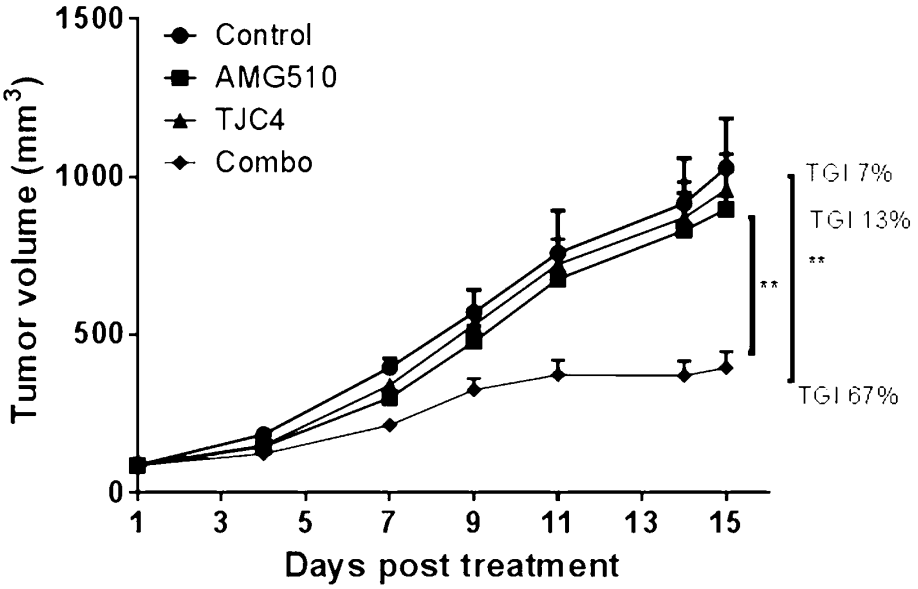

FIG.1

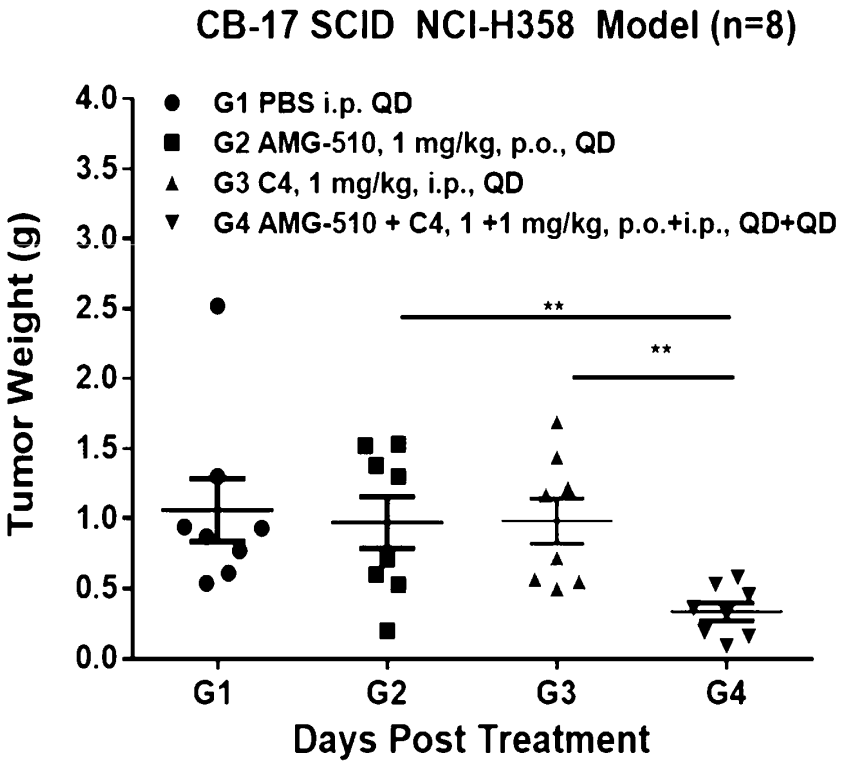
CB-17 SCID NCI-H358 Model (n=8)
G1 PBS i.p. QD
G2 AMG-510, 1 mg/kg, p.o., QD
G3 C4, 1 mg/kg, i.p., QD
G4 AMG-510 + C4, 1 +1 mg/kg, p.o.+i.p., QD+QD
Tumor Weight (g)
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
**
**
G1
G2
G3
G4
Days Post Treatment

FIG.2

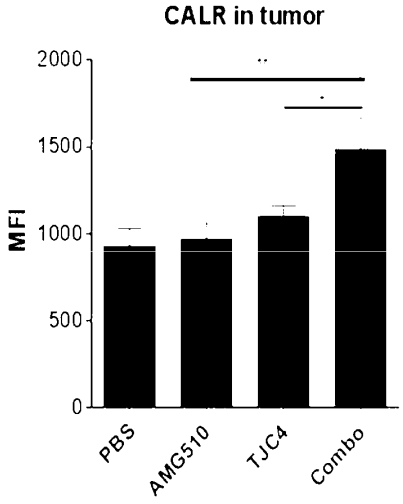

FIG.3A

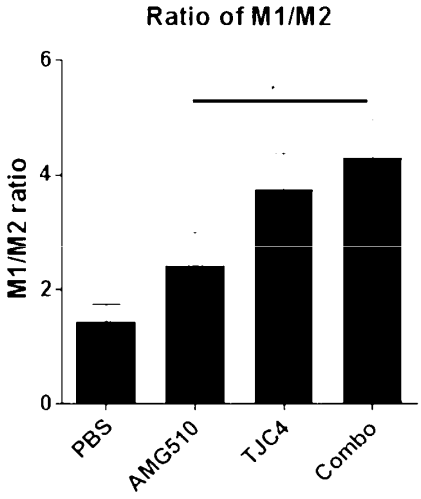

FIG.3B

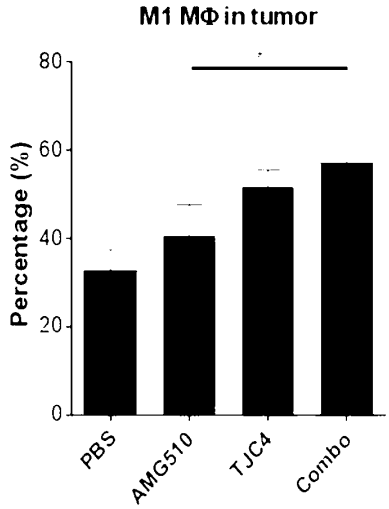

FIG.3C

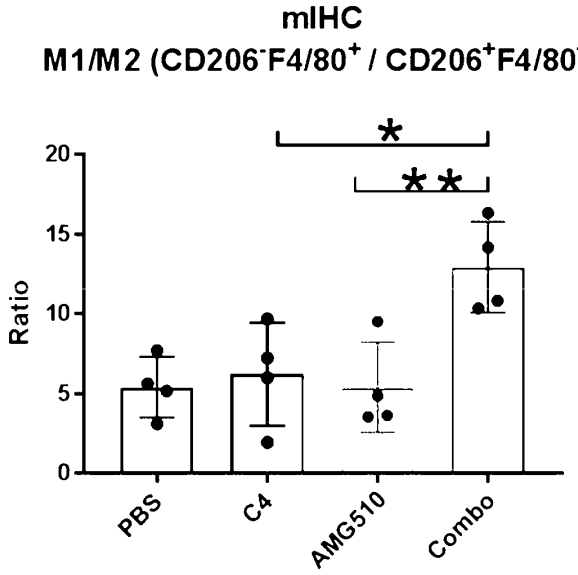
mIHC
M1/M2 (CD206-F4/80+ / CD206+F4/80+)
Ratio
20
15
10
5
0
*
**
PBS
C4
AMG510
Combo

FIG.3D

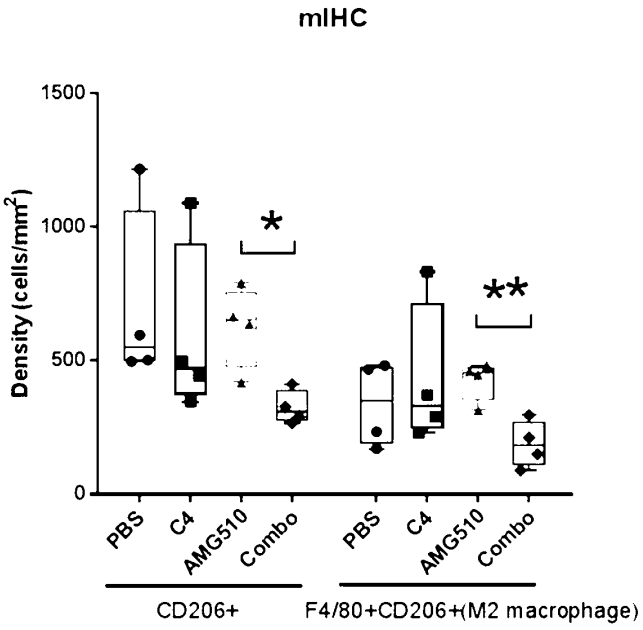
mIHC
Density (cells/mm2)
1500
1000
500
0
*
**
PBS
C4
AMG510
Combo
PBS
C4
AMG510
Combo
CD206+
F4/80+CD206+(M2 macrophage)

FIG.3E

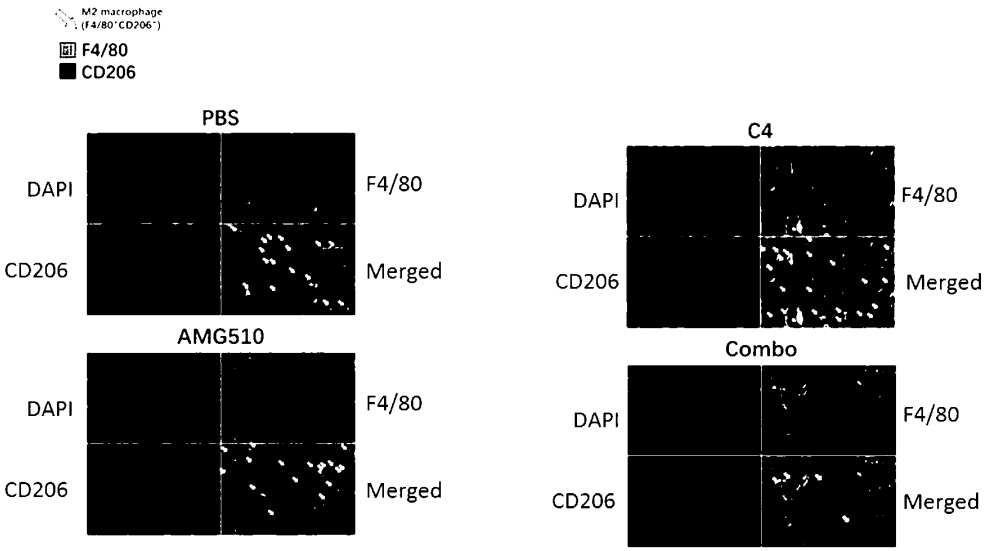
M2 macrophage (F4/80+CD206+)
F4/80
CD206
PBS
DAPI
F4/80
CD206
Merged
AMG510
DAPI
F4/80
CD206
Merged
C4
DAPI
F4/80
CD206
Merged
Combo
DAPI
F4/80
CD206
Merged

FIG.3F

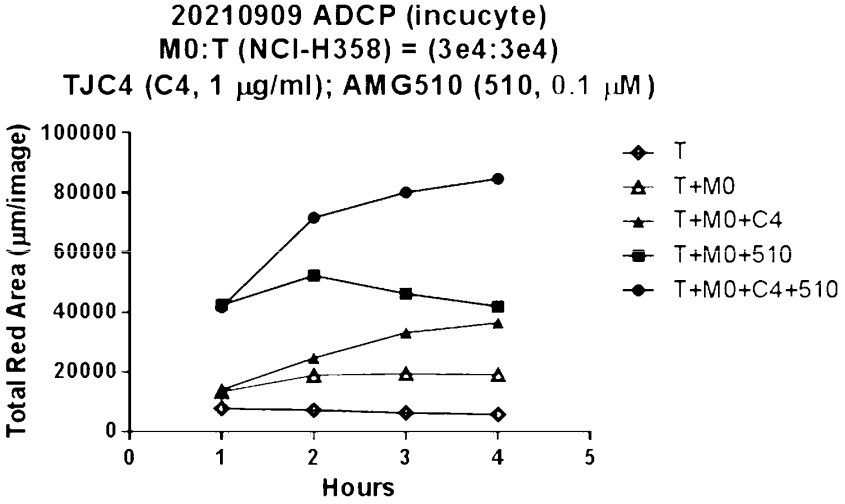
20210909 ADCP (incucyte)
M0:T (NCI-H358) = (3e4:3e4)
TJC4 (C4, 1 μg/ml); AMG510 (510, 0.1 μM)
Total Red Area (μm/image)
100000
80000
60000
40000
20000
0
0
1
2
3
4
5
Hours
T
T+M0
T+M0+C4
T+M0+510
T+M0+C4+510

FIG.4A

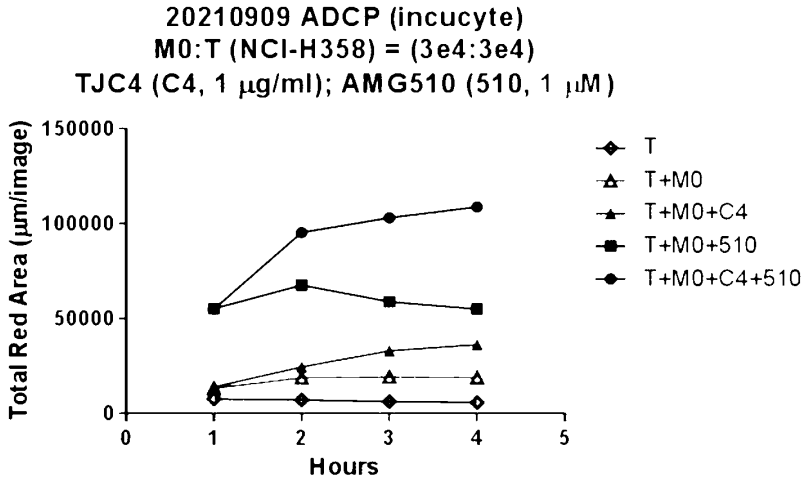
20210909 ADCP (incucyte)
M0:T (NCI-H358) = (3e4:3e4)
TJC4 (C4, 1 μg/ml); AMG510 (510, 1 μM)
Total Red Area (μm/image)
150000
100000
50000
0
0
1
2
3
4
5
Hours
T
T+M0
T+M0+C4
T+M0+510
T+M0+C4+510

FIG.4B

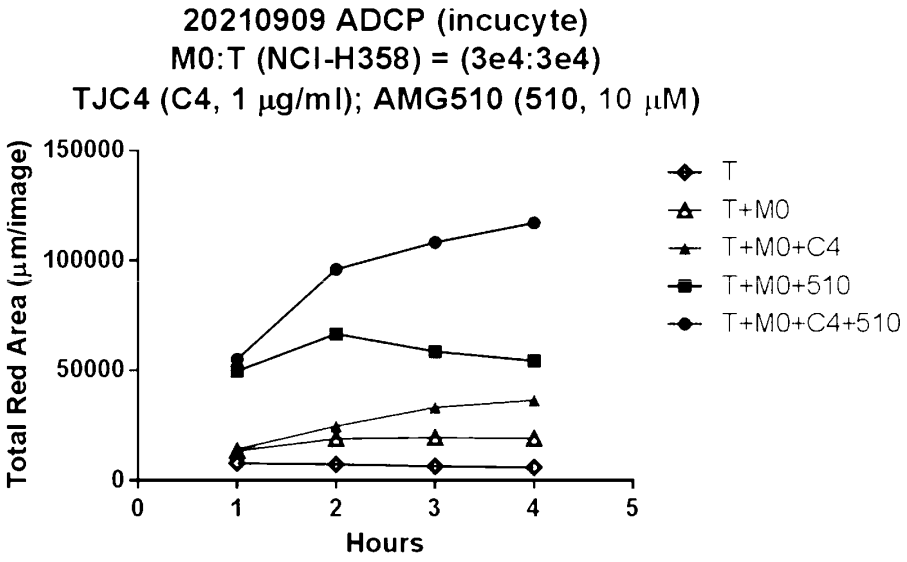
20210909 ADCP (incucyte)
M0:T (NCI-H358) = (3e4:3e4)
TJC4 (C4, 1 μg/ml); AMG510 (510, 10 μM)
Total Red Area (μm/image)
150000
100000
50000
0
0
1
2
3
4
5
Hours
T
T+M0
T+M0+C4
T+M0+510
T+M0+C4+510

FIG.4C

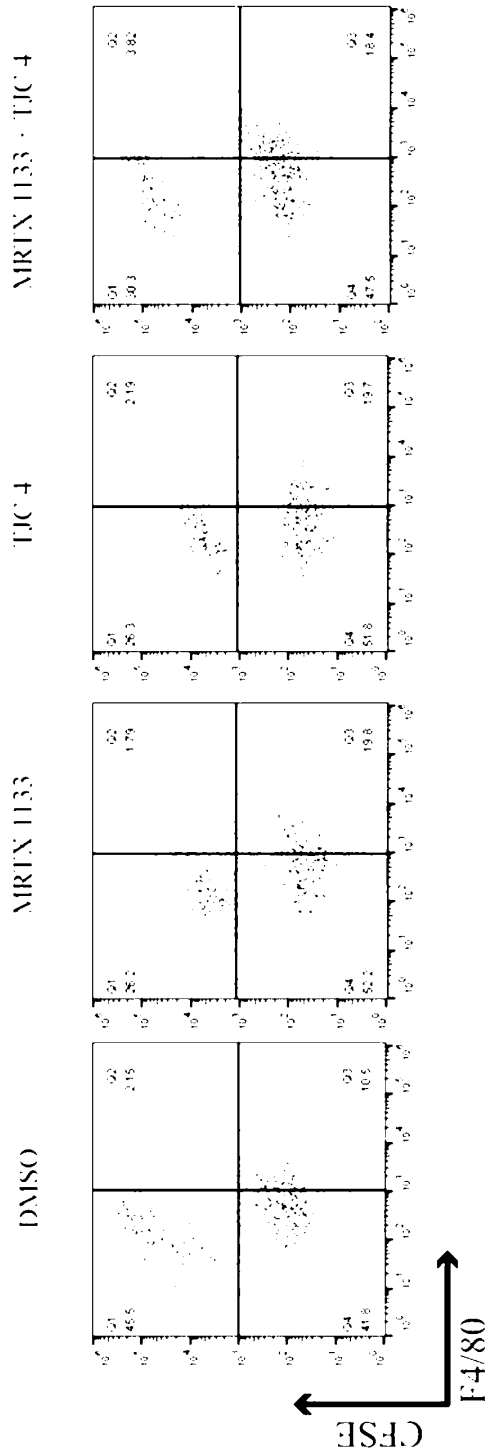

FIG.5A

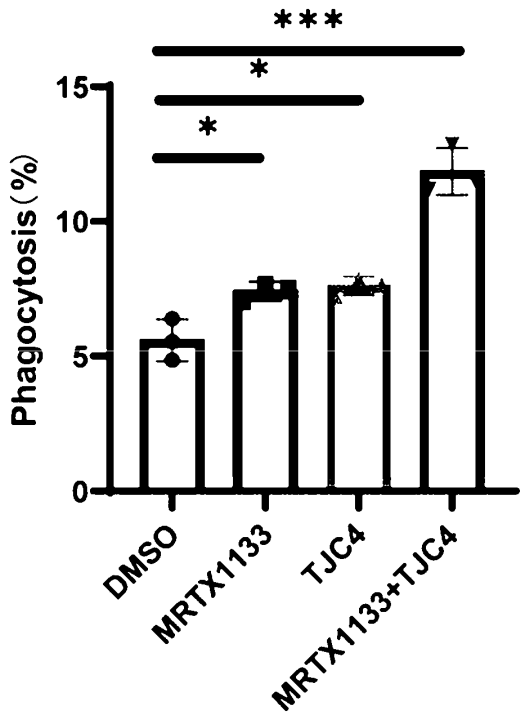

FIG.5B

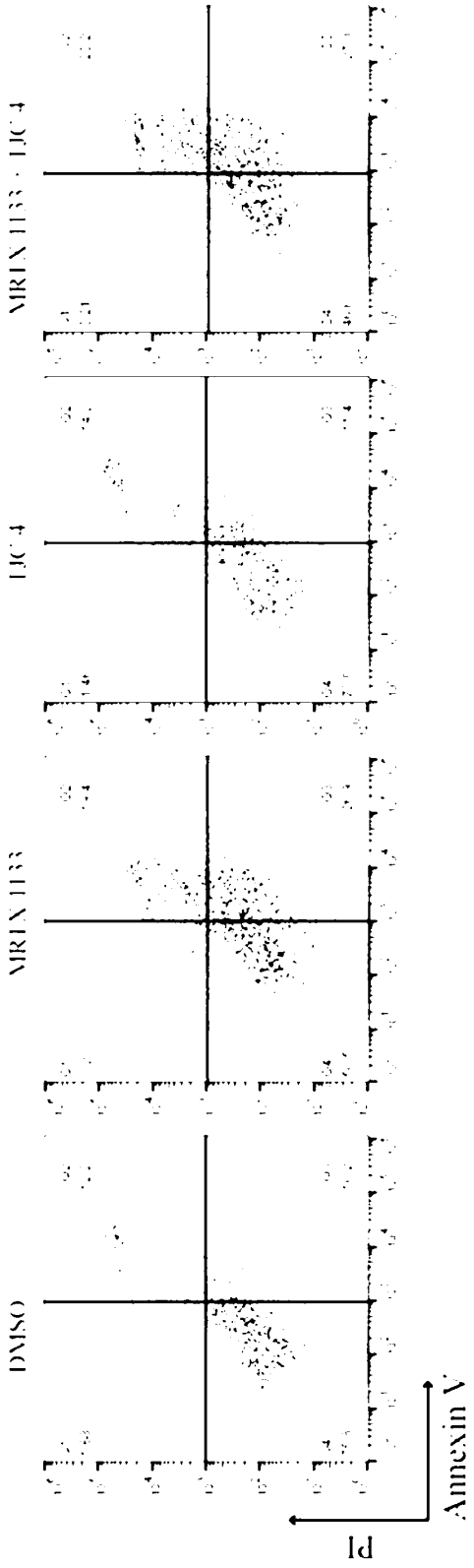

FIG.6A

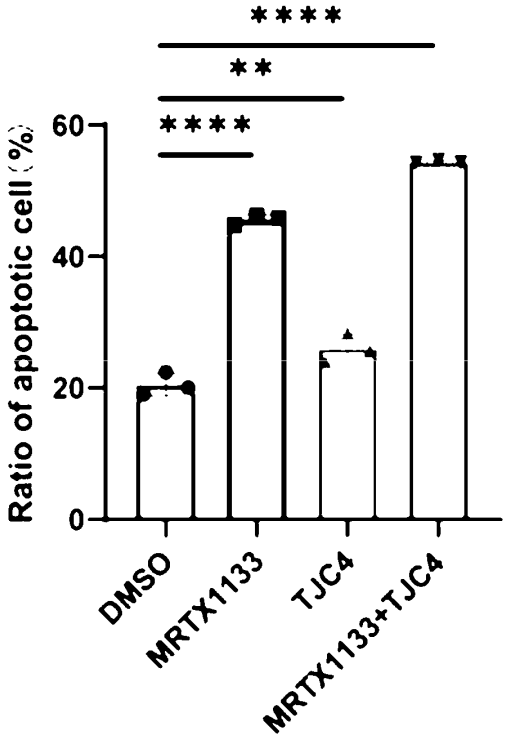
****
**
****
Ratio of apoptotic cell (%)
60
40
20
0
DMSO
MRTX1133
TJC4
MRTX1133+TJC4

FIG.6B

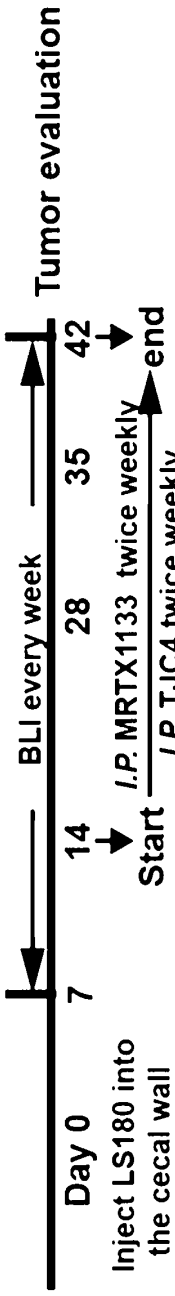
Tumor evaluation
BLI every week
Day 0
7
14
28
35
42
Start
end
I.P. MRTX1133 twice weekly
I.P. TJC4 twice weekly
Inject LS180 into the cecal wall

FIG.7A

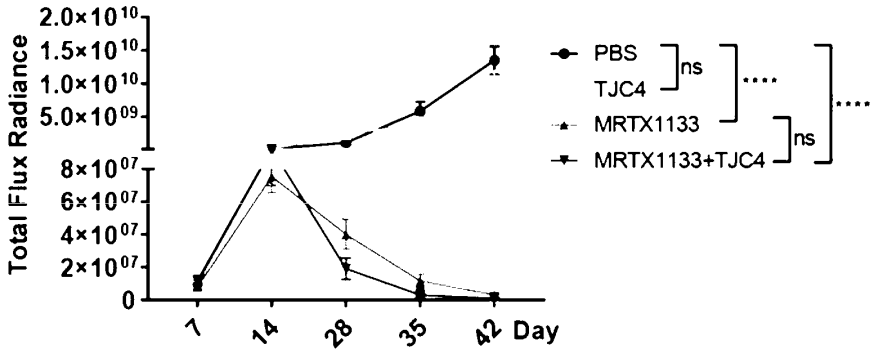
Total Flux Radiance
2.0×10^10
1.5×10^10
1.0×10^10
5.0×10^09
8×10^07
6×10^07
4×10^07
2×10^07
0
7
14
28
35
42
Day
PBS
TJC4
MRTX1133
MRTX1133+TJC4
ns
ns
****
****

FIG.7B

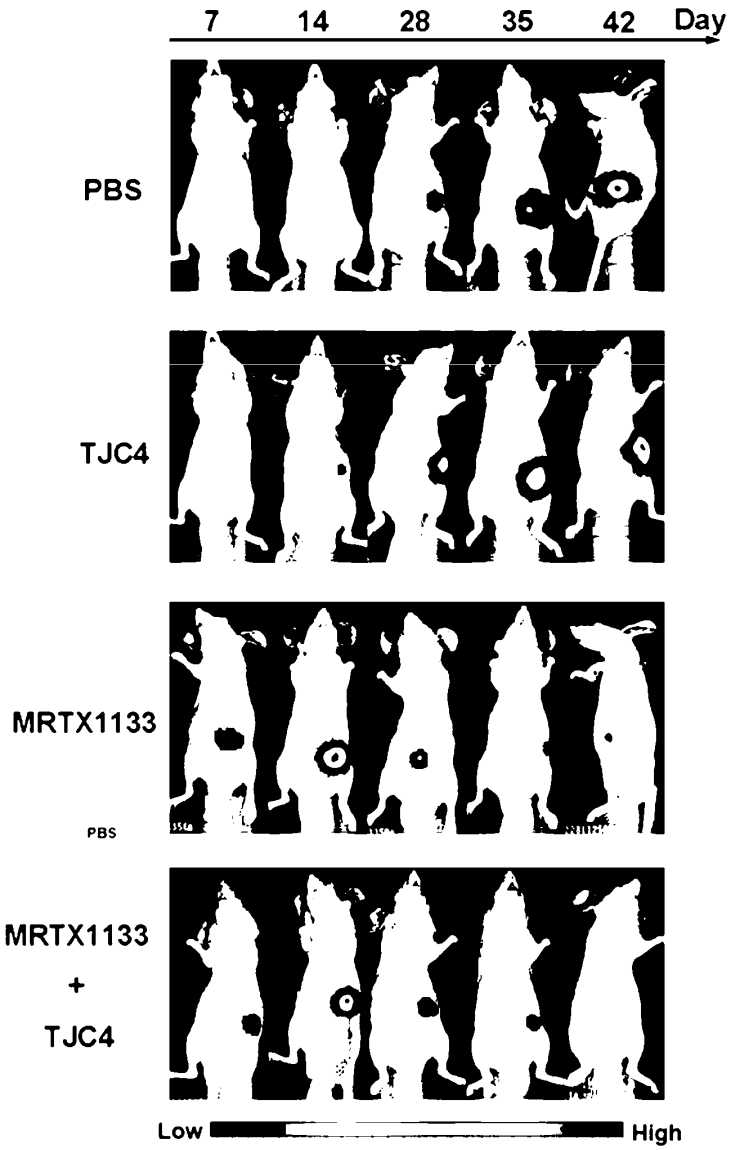

FIG.7C