附图

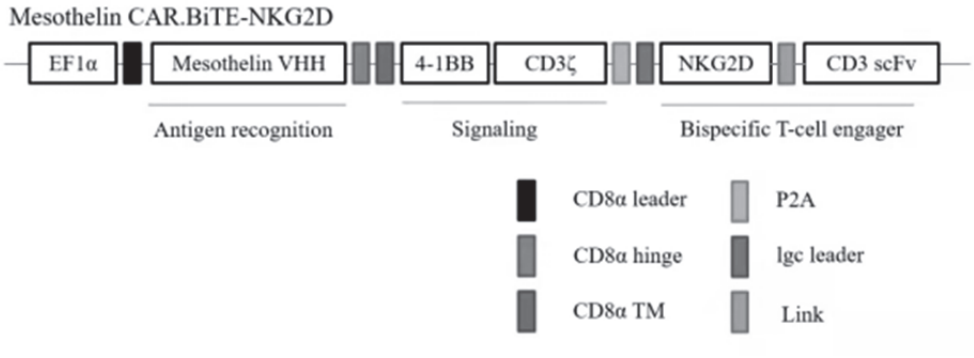

Mesothelin CAR.BiTE-NKG2D
EF1α
Mesothelin VHH
4-1BB
CD3ζ
NKG2D
CD3 scFv
Antigen recognition
Signaling
Bispecific T-cell engager
CD8α leader
CD8α hinge
CD8α TM
P2A
lgc leader
Link

图 1

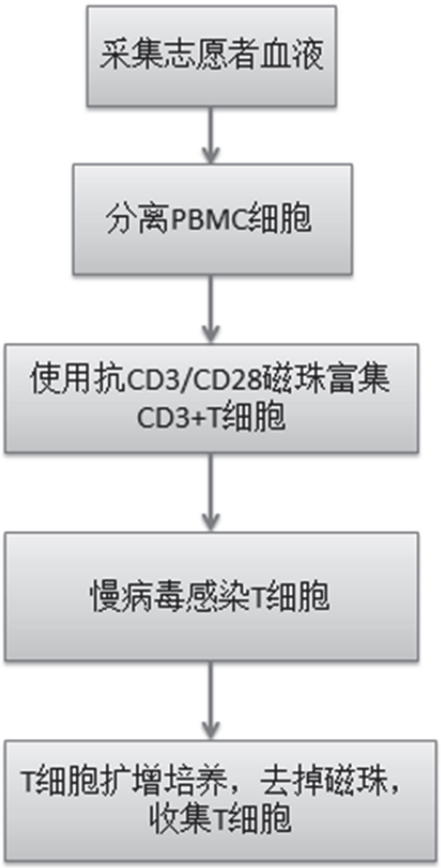

采集志愿者血液
分离PBMC细胞
使用抗CD3/CD28磁珠富集CD3+T细胞
慢病毒感染T细胞
T细胞扩增培养，去掉磁珠，收集T细胞

图 2

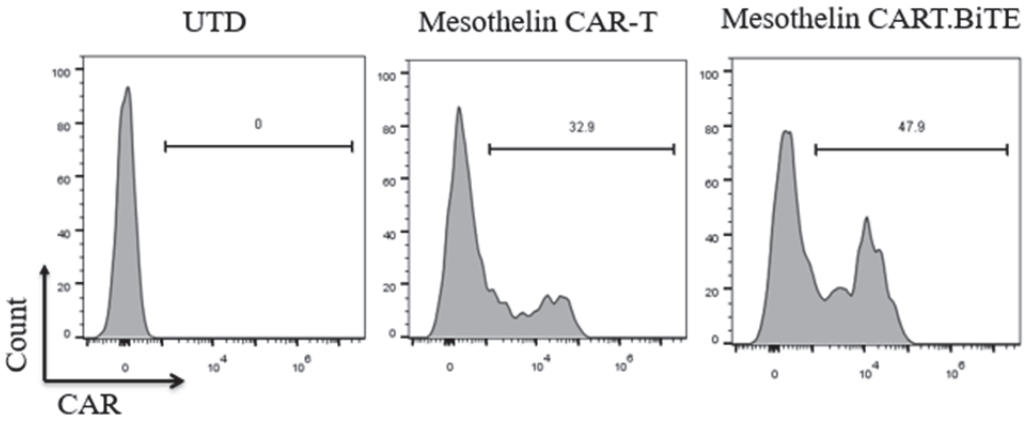

UTD
Mesothelin CAR-T
Mesothelin CART.BiTE
Count
CAR
0
32.9
47.9

图 3

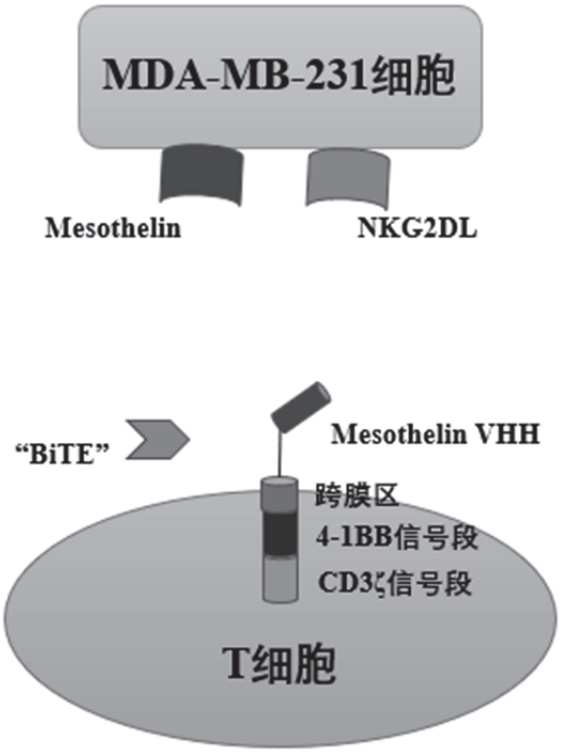
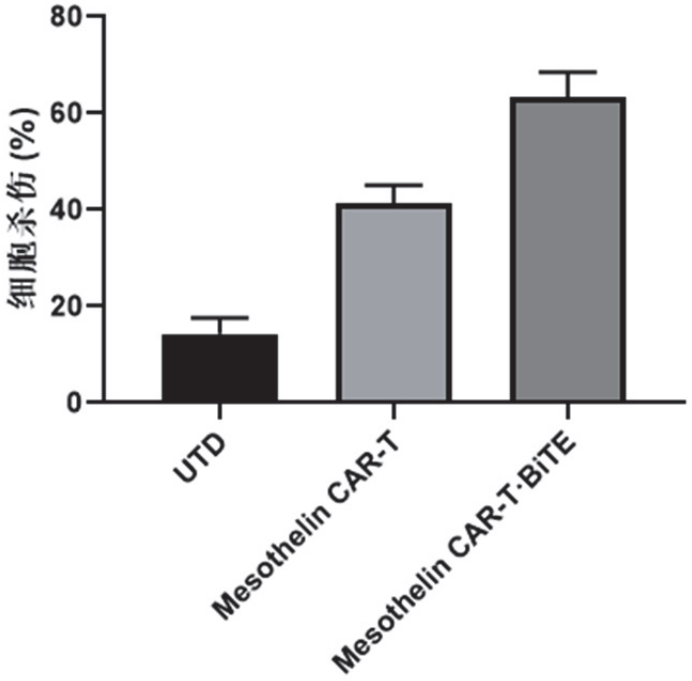
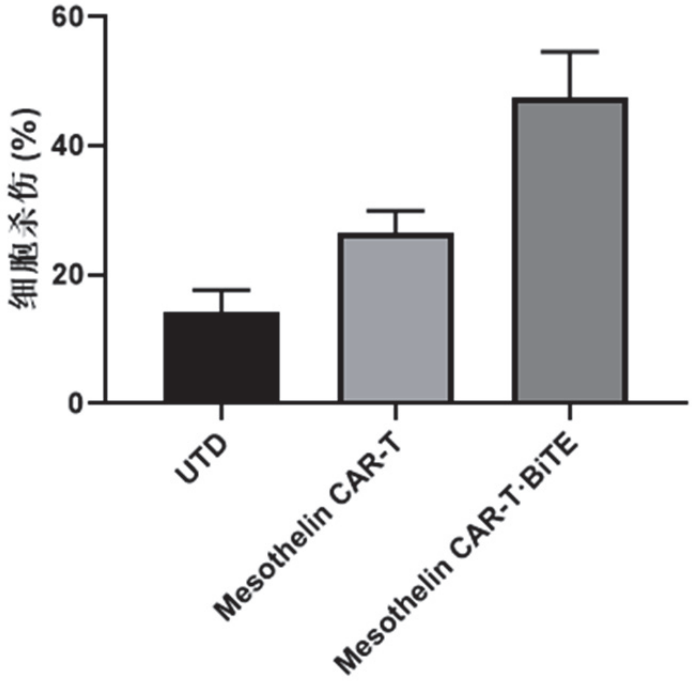

MDA-MB-231细胞
Mesothelin
NKG2DL
“BiTE”
Mesothelin VHH
跨膜区
4-1BB信号段
CD3ζ信号段
T细胞

图 4


80
60
40
20
0
细胞杀伤 (%)
UTD
Mesothelin CAR-T
Mesothelin CAR-T·BiTE

（A）


60
40
20
0
细胞杀伤 (%)
UTD
Mesothelin CAR-T
Mesothelin CAR-T·BiTE

（B）

图 5