Supplementary Information				
5' - CMV - 5	SP FLAG Tag	Linker anti-MSLN scFv - Linker	Hinge + hCD8a TM	4-1BB CD3ζ — 3'
5' — SP HA	TAG Linker	MTCH2 - 3'		
Day 35	Day 24	Day 16	Day 7	0
Insert CAR-gene	Sorting	Insert MTCH2-gene	l Sorting	BBζ-M

Figure.S1 Schematic representation of CAR-gene structure (Upper) and MTCH2-gene structure (Down). The NK-92 cells were infected with two genes successively.