## Supplementary Table 1: In vivo study design

SKOV-3, microsurgery	Survival analysis	Intermediate sacrifice	OVCAR-4, IP		Survival analysis	Intermediate sacrifice
CAR treatment IV,	•	Day 62-65	CAR treatment IP,			Day 76 post-
Day 21-22 post-tumor		post tumor	Day 13 post-tumor			tumor
<b>MBBz</b> (n=11)	n= 8	n=3	<b>M28z</b> (n=7)		n= 7	
<b>M28z</b> (n=11)	n= 8**	n=3	<b>M1xx</b> (n=15)		n= 13	n=2
<b>M1xx</b> (n=11)	n= 8**	n=3	Control (n=10)	CD19	n= 5	
Control CD19 (n=9)	n= 7	n=2 +1*	Control (n=10)	Untreated	n= 5	

\* One mouse was sacrificed due to tumor burden at the same time as two other mice sacrificed to perform analysis at intermediate timepoint. This mouse was therefore included in survival analysis. \*\* One mouse in M28z group and three mice in M1xx group were excluded from survival analysis because died/sacrificed for reasons unrelated to high tumor burden or its complications.