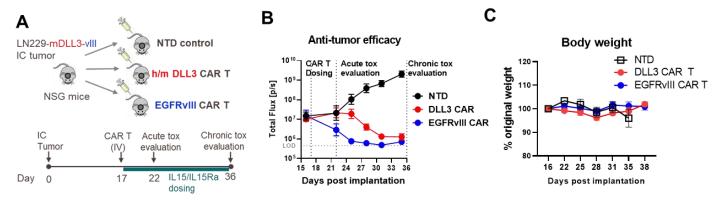
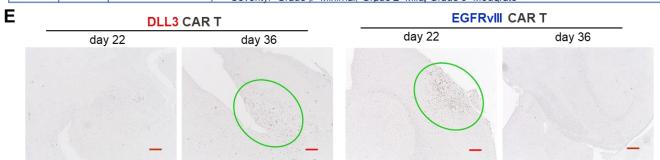
Fig. S7



D Histopathology Analysis

- Incopanionally Amaryona						
Group	Acute tox evaluation (day 22)			Chronic tox evaluation (day 36)		
	Animal	Brain	Pituitary	Animal	Brain	Pituitary
NTD	#1	Tumor	No findings	#3	No findings	No findings
	#2	No findings	No findings	#4	Tumor	No findings
	#5	No findings	No findings	#7	Tumor	No findings
	#6	No findings	No findings	#8	Tumor	No findings
	#10	No findings	No findings	#9	Tumor	No findings
DLL3 CAR T	#12	Tumor	No findings	#11	Tumor	Infiltrate, mononuclear cell (Grade 2)
	#14	Tumor	No findings	#13	Tumor	Infiltrate, mononuclear cell (Grade 2)
	#15	Tumor	No findings	#16	Tumor	Infiltrate, mononuclear cell (Grade 1)
	#19	No findings	No findings	#17	No findings	Infiltrate, mononuclear cell (Grade 2)
	#20	Tumor	No findings	#18	No findings	Infiltrate, mononuclear cell (Grade 2)
EGFRvIII CAR T	#22	No findings	No findings	#21	No findings	No findings
	#25	Infiltrate/gliosis, cortical, focal (Grade 2)	No findings	#27	No findings	No findings
	#26	Infiltrate, meninges, focal (Grade 1)	No findings	#29	No findings	No findings
	#31	Infiltrate/gliosis, cortical, focal (Grade 2)	No findings	#30	No findings	No findings
	#32	Gliosis/infiltrate, cortical, focal (Grade	NA	#35	No findings	No findings
		1) **Severity: Grade	1=Minimal; Gr	ade 2=Mild	Grade 3=Mode	rate



F Staining of pituitary hormones (day 36)



Fig. S7. DLL3 CAR T cells demonstrate activity in intracranial tumor model without causing toxicity. (**A**) & (**B**) Design and anti-tumor efficacy of in vivo study with intracranial tumor expressing DLL3 and EGFRvIII to understand tox liabilities. LOD, limit of detection. Plots represent only the animals remaining on D36 (n=5). Error bars represent SEM. (**C**) DLL3 CAR T cells or EGFRvIII CAR T cells did not induce obvious changes of body weight throughout the study. Plots represent only the animals remaining on D36 (n=5). Error bars represent SEM. (**D**) Histopathology analysis showed mild infiltration/inflammation in pituitary of DLL3 CAR-treated animals. No findings for brain samples. (**E**) Infiltration of DLL3 CAR T and EGFRvIII CAR T cells in the area of glioma in the brain. Green circles show the area of infiltration. (**F**) Hormone secreting cells were not ablated despite T cell infiltration.