

Supplementary Table 1. Comparison of PB, CSF, and EEG parameters between ICANS and non-ICANS patients.

		ICANS (n = 18)	non-ICANS (n = 6)	p-value
Peripheral blood				
PLT	(109/L)	41 (20.0-71.25)	32 (23.25-36.25)	0.345
LDH	(U/L)	252 (211-482)	157 (124-1773)	0.151
Creatinine	(mg/dL)	0.85 (0.68-1.05)	0.56 (0.35-0.69)	0.007
CRP	(mg/dL)	1.04 (0.33-2.50)	2.35 (0.50-4.80)	0.297
Ferritin	(ng/mL)	932 (389-3043)	2217 (1399-2800)	0.290
Fibrinogen	(mg/dL)	232 (182-286)	359 (280-483)	0.005
EASIX score		9.4 (2.4-20.3)	2.3 (1.4-33.2)	0.332
modify-EASIX score		5.0 (3.5-11.9)	8.8 (1.3-521.7)	0.739
simply-EASIX score		7.6 (2.9-15.4)	5.3 (3.4-52.5)	0.434
Cerebrospinal fluid				
Leukocyte count	(/μL)	2 (1-6)	10 (6-21)	0.132
LDH	(U/L)	23 (19-35)	27 (23-44)	0.160
Total protein	(U/L)	83 (55-136)	66 (49-82)	0.589
CD3+ CAR-T	(%)	32.3 (15.3-53.8)	7.9 (2.7-15.0)	0.018
CD4+ CAR-T	(%)	15.8 (6.9-32.4)	6.3 (2.2-10.1)	0.045
CD8+ CAR-T	(%)	6.0 (1.3-12.7)	0.4 (0.1-4.2)	0.055
CAR-T CD4/8 ratio		3.2 (1.7-5.0)	6.3 (1.7-38.2)	0.194
Electroencephalography				
Overall assessment				0.125
Normal		2	1	
Mildly abnormal		3	3	
Moderately abnormal		7	0	
N/A		6	2	
FIRDA				1.000
Yes		9	3	
No		3	1	
N/A		6	2	

ICANS immune effector cell-associated neurotoxicity syndrome, PLT Platelet, LDH lactic dehydrogenase, CRP c-reactive protein, EASIX endothelial activation and stress index, CAR chimera antigen receptor, FIRDA frontal intermittent rhythmic delta activity, N/A not applicable

Supplementary Fig. 1 The correlation between PB and CSF CAR-T cell frequencies

