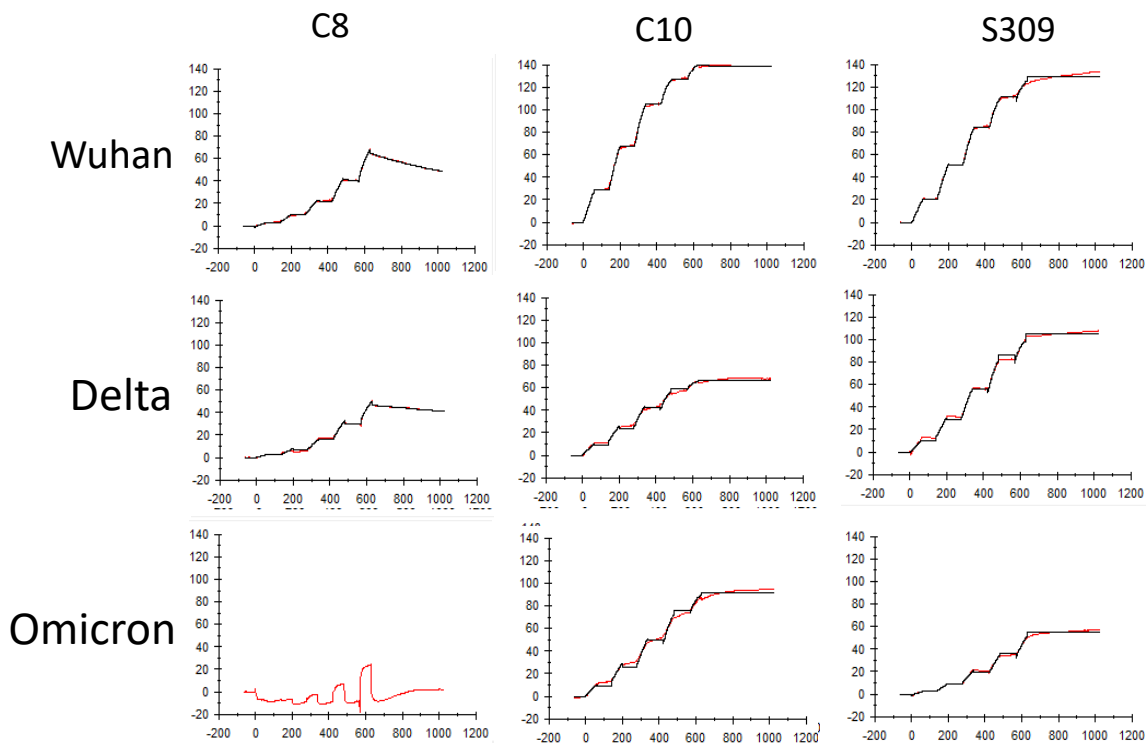


Supplementary Figure 1. Binding of the clones as IgGs to HEK293 cells stably expressing Wuhan Spike at the surface. Antibodies (red histogram) were used at 10 $\mu\text{g}/\text{mL}$ and detected using an AF647-coupled anti-human antibody. Grey histogram: isotype antibody control.

A

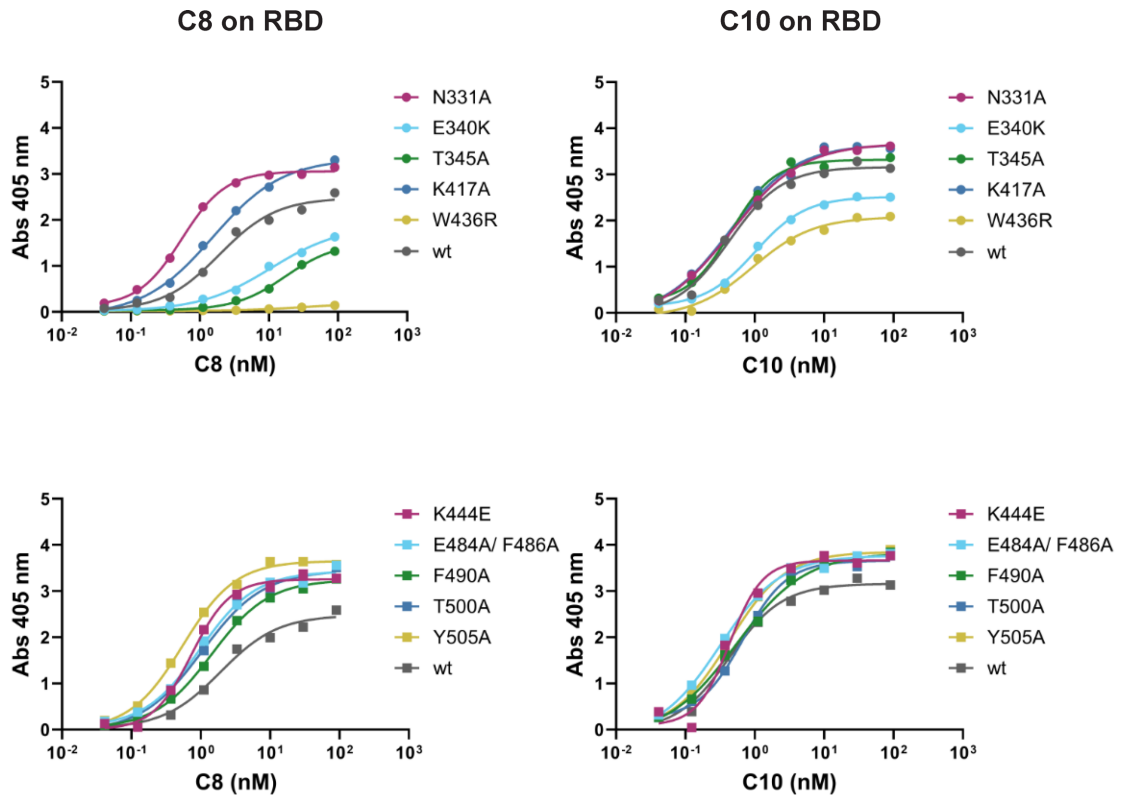


B

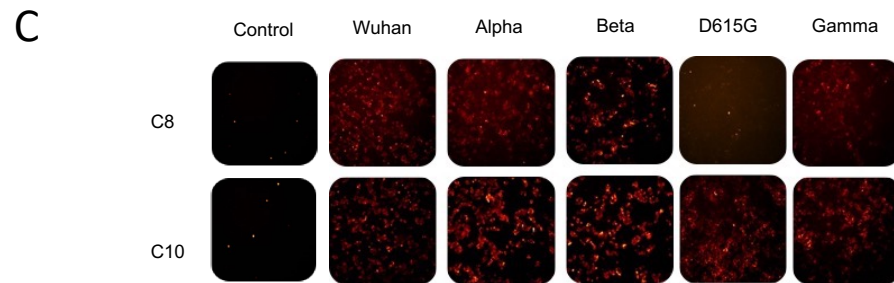
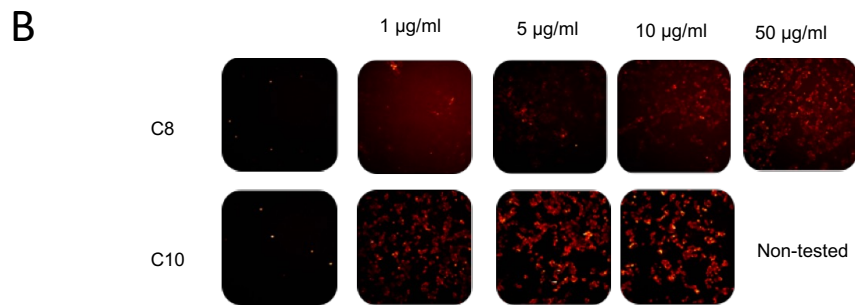
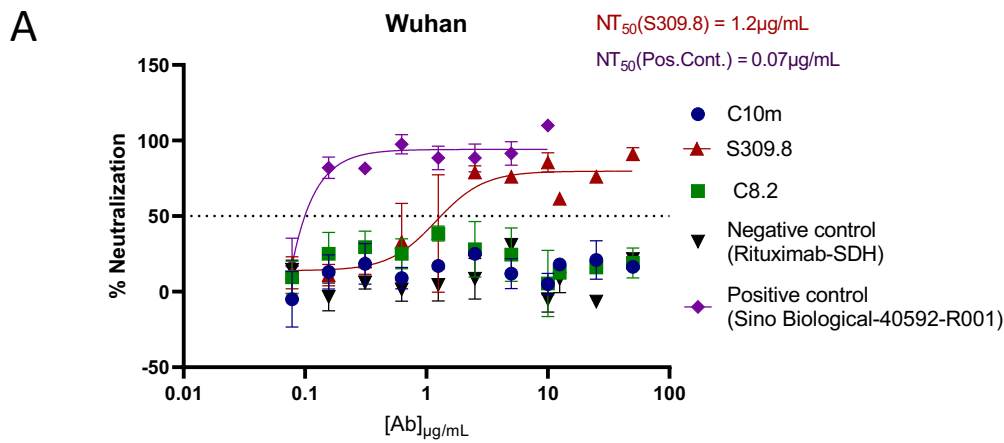
	clone	ka1 (M ⁻¹ s ⁻¹)	kd1 (s ⁻¹)	KD1(M)
Wuhan	C8	7.34+/-0.51E+04	1.88+/-0.14E-03	2.57+/-0.26E-08
	C10	1.80+/-0.01E+05	3.84+/-0.19E-05	2.13+/-0.11E-10
	S 309	2.08+/-0.02E+05	<1.00E-05*	< 4.00E-11
Delta	C8	1.39+/-0.13E+05	6.92+/-0.79E4	4.99+/-0.73E-09
	C10	1.92+/-0.01E+05	<1.00E-05*	<5.20E-11
	S 309	1.05+/-0.01E+05	<1.00E-05*	<9.50E-11
Omicron	C8	ND too low signal		
	C10	1.23+/-0.04E+05	<1.00E-05*	<8.10E-11
	S 309	3.52+/-0.03E+04	<1.00E-05*	<2.84E-10

*kd out of the lower limit of the device

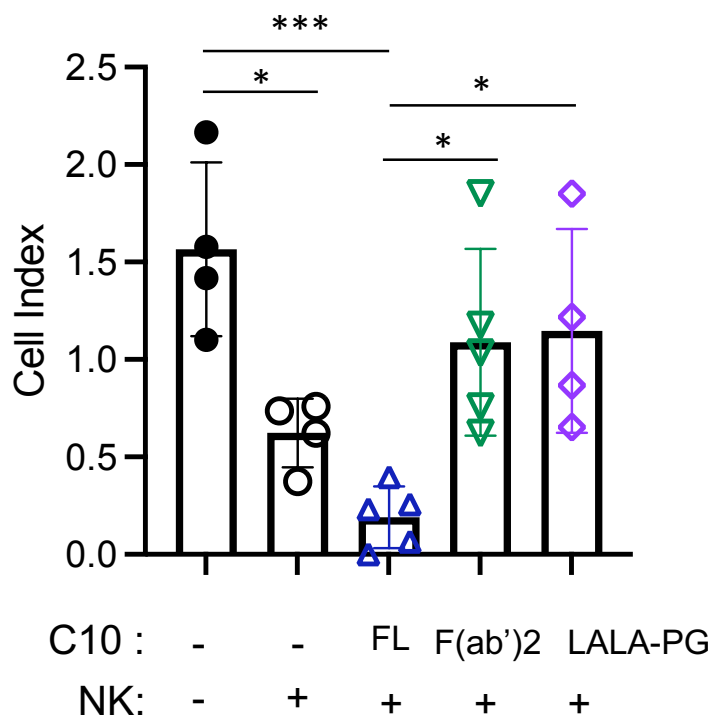
Supplementary Figure 2. SPR analysis of C8 and C10 binding to trimeric Spike. Ab binding to trimers of Spike variants captured using their poly-His tag (SARS-CoV-2 Spike (GCN4- IZ) His-tag from R&D system). The S309 mAb was used as control. Antibodies in increasing concentration were applied in the flow. Data were fitted to a Langmuir 1:1 model.



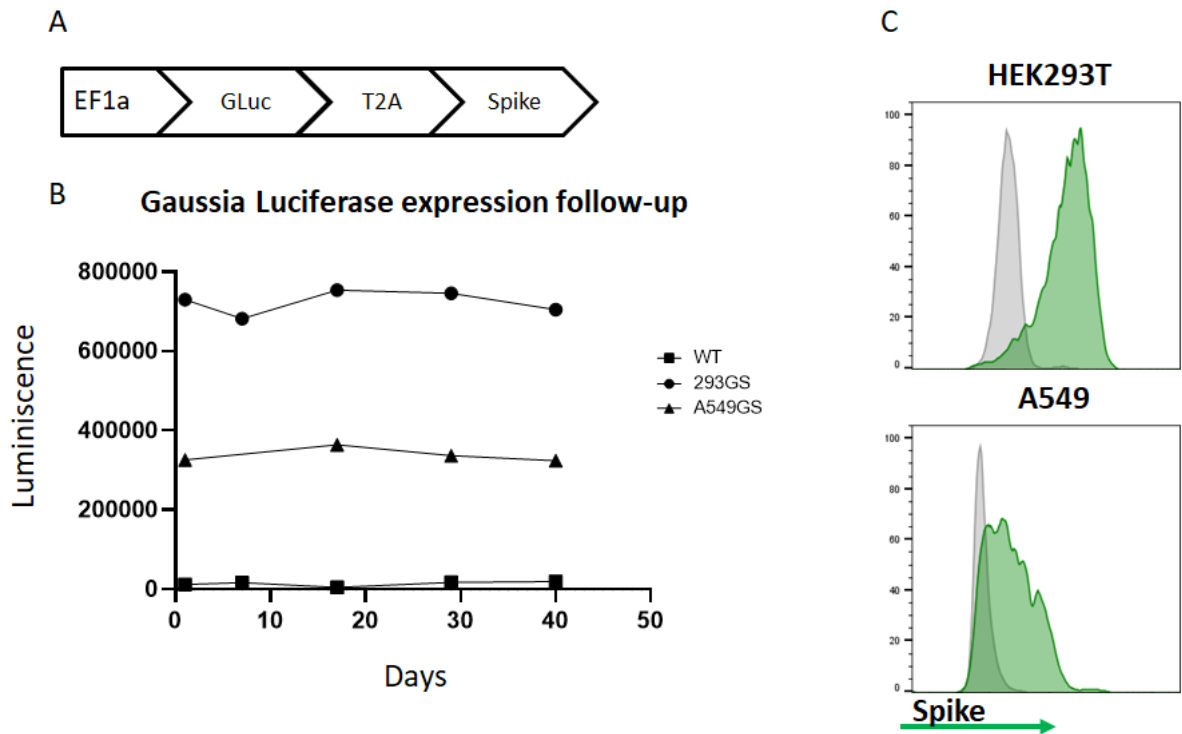
Supplementary Figure 3. Antibody binding of C8 and C10 mAbs on mutated SARS-CoV-2 RBD-SD1, assessed by ELISA.



Supplementary Figure 4. Neutralization and infected cell binding capacity of C8 and C10 mAbs. (A) Absence of neutralization capacity of C8 and C10 mAbs. Neutralization potential of C8 and C10 against SARS-CoV-2 was assessed using a microneutralization assay against the Wuhan strain). Rituximab (anti-CD20) was used as negative control. S309.8 and 40592-R001 SARS-CoV-2 neutralizing antibodies were used as positive controls. (B) Dose response of C8 and C10 mAbs binding to Vero infected cells. Cells were incubated with primary antibodies (C8 or C10) at different concentrations (ranging from $1\mu\text{g/mL}$ to $50\mu\text{g/mL}$) with subsequent addition of a fluorescent-labeled secondary antibody. (C) Binding of C8 and C10 mAbs to Vero cells infected with different SARS-CoV-2 VOC. Vero cells were infected using the indicated VOCs at 10^{-4} MOI and incubated with C8 and C10 mAbs at $10\mu\text{g/ml}$, with subsequent addition of a fluorescent-labeled secondary antibody. C8 and C10 mAb binding was monitored using confocal microscopy (C, D).

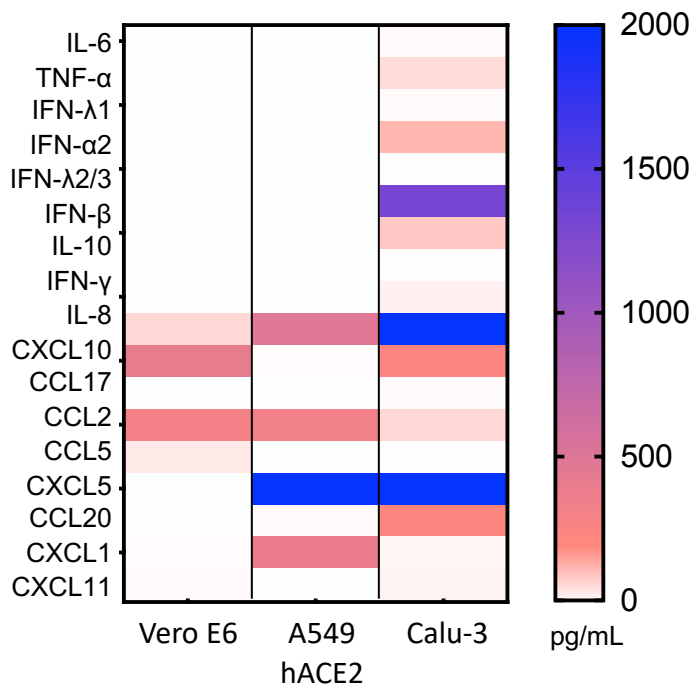


Supplementary Figure 5. Cytotoxic capacity against SARS-CoV-2 infected cells by different C10 mAb constructs and antibody-formats. (A) ADCC capacity of full-length (FL) C10 mAb, C10 F(ab')₂ fragment and C10-LALA-PG mutant, using infected lung epithelial cells as targets and primary NK cells as effector cells. Significance was assessed using one-way ANOVA with Tukey's multiple comparisons test. Values are from 2 independent experiments, with several replicates for experiment.

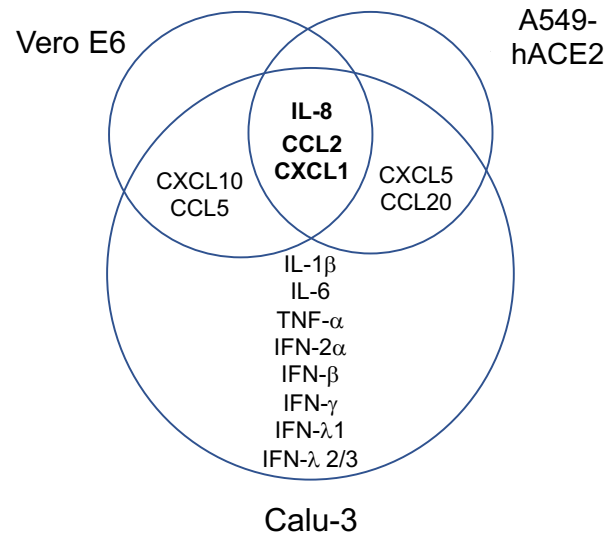


Supplementary Figure 6. Generation of recombinant Spike-expressing cells. (A) Design of a transgene encoding Gaussia Pierce Luciferase and SARS-CoV-2 Spike protein (GS). (B) Graphical representation of stable transgene expression in 293GS and A549GS cell lines over time assessed by luciferase expression. (C) Histogram plots showing Spike expression evaluated by flow cytometry on HEK293T and A549 cell lines transduced with the GS transgene.

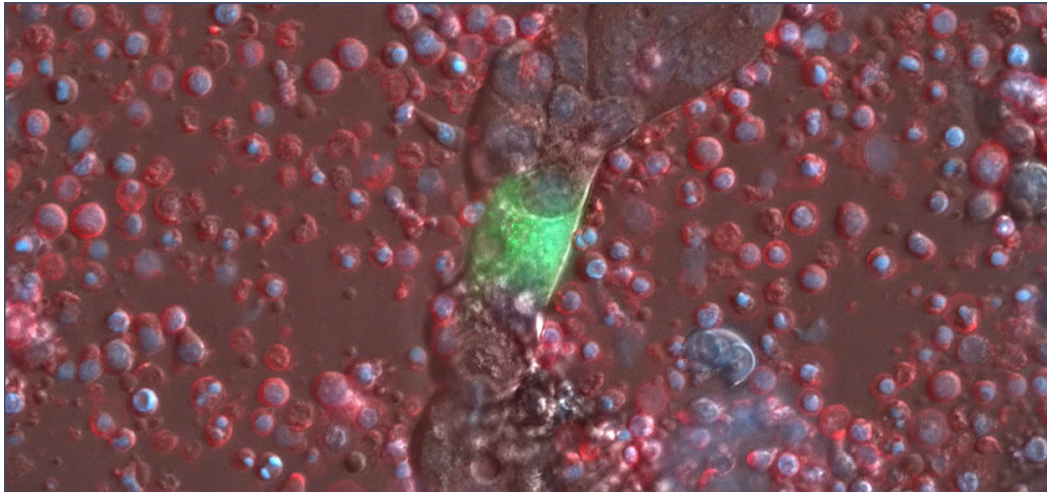
A



B



Supplementary Figure 7. Secretome of SARS-CoV-2 infected cells. (A) Heatmap representation of cytokines and chemokines secreted by Vero E6, A549-hACE2 and Calu-3 cells infected with SARS-CoV-2. (B) Venn diagram of secretome of the different infected cell lines.



Supplementary Video 1. Imaging of infected cell lysis by C10-derived CAR-T cells. Infected cells are labelled in green (through the use of NeoGreen virus) and effector cells in red and blue (through the use of an anti-CD45-APC antibody and Hoechst dye at 1:5000, respectively).

Supplementary Tables

Supplementary Table 1. SARS-CoV-2 strains used.

VOC/Mutation	Strain	Original Source	Depositor	Sequence
Wuhan	BetaCoV/France/IDF0372/2020	Patient hospitalized at Bichat hospital back from China, Hubei	Pr Sylvie van der WERF, Institut Pasteur, Paris, France	EPI_ISL_410720 (GISAID ID)
D614G (Indian)	hCoV-19/France/GE1973/2020	Patient hospitalized at Robert Debré hospital	Pr Sylvie van der WERF, Institut Pasteur, Paris, France	EPI_ISL_414631 (GISAID ID)
ALPHA (UK)	hCoV-19/France/IDF-IPP11324i/2020 (20I/501Y.V1 – B.1.1.7)	Patient hospitalized at HIA Percy, Clamart.	Pr Sylvie van der WERF, Institut Pasteur, Paris, France	EPI_ISL_1138411 (Passage n° : P2)
BETA (South African)	hCoV-19/France/PDL-IPP01065i/2021 (20H/501Y.V2 – B.1.351)	Patient at laboratory Bioliance, Saint-Herblain	Pr Sylvie van der WERF, Institut Pasteur, Paris, France	EPI_ISL_1138745 (Passage n° : P2)
DELTA	hCoV-19/France/HDF-IPP11602i/2021 (21A-Delta-B.1.617.2)	Outpatient from laboratoire Alliance Anabio, Melesse.	Dr Etienne Simon-Lorière, Institut Pasteur, Paris, France	EPI_ISL_3030060
GAMMA (Brasil)	hCoV-19/French Guiana/IPP03772i/2021 (20J/501Y.V3 – P.1)	Sample from Institut Pasteur, Cayenne, Guyane	Pr Sylvie van der WERF, Institut Pasteur, Paris, France	EPI_ISL_2280284
Omicron	hCoV-19/France/PDL-IPP46934i/2021 (21K - Omicron – BA.1)	Patient hospitalized at CH de Laval	Pr Sylvie van der WERF, Institut Pasteur, Paris, France	EPI_ISL_8353353
Omicron BA.2	hCoV-19/France/PDL-IPP08031/2022, (Omicron, lineage BA.2)	Patient from Centre Hospitalier, Fontenay le Comte	Pr Sylvie van der WERF, Institut Pasteur, Paris, France	EPI_ISL_9879476
Omicron BA.5	hCoV-19/France/BRE-IPP34319/2022 (22B - Omicron - BA.5.1)	Patient hospitalized at CH Simone Veil, Beauvais	Dr Etienne Simon-Lorière, Institut Pasteur, Paris, France	EPI_ISL_13017789
Omicron XBB1.5	hCoV-19/France/PDL-IPP58867/2022, Omicron, (XBB.1.5)	Patient from Laval hospital	Pr Sylvie van der WERF, Institut Pasteur, Paris, France	EPI_ISL_16319988

Supplementary Table 2. Differentially expressed genes on UTD

Fold changes of upregulated and downregulated genes by UTD cells upon Calu-3 co-culture with or without infection, provided by ROSALIND.

GEN	NON-INFECTED CALU-3		INFECTED CALU-3	
IFIT1	-1,4596225	-3,5420925	2,5404575	2,4612575
IFIT3	-1,4591900	-3,209680	2,4071900	2,2616800
ISG15	-1,0316175	-2,6694475	1,7783325	1,9227325
USP18	-0,7802025	-2,1188225	1,6619175	1,2371075
IFI6	-0,972505	-2,1466750	1,5253950	1,5937850
MX1	-0,960145	-2,2766650	1,4333550	1,8034550
IFIT2	-2,151075	-1,3204250	0,9861850	2,4853150
IL6	-1,4139275	-1,5697775	1,7911425	1,1925625
OAS1	-1,1108725	-1,6196425	1,1881575	1,5423575
EGR1	-0,7848125	-1,8527925	1,1248075	1,5127975
OASL	-1,0395875	-1,6746075	1,2174925	1,4967025
OAS3	-0,5414500	-1,7261000	1,1360600	1,1314900
OAS2	-0,6856900	-1,4095900	1,0945900	1,0006900
PML	-0,4612900	-0,7637300	0,5154500	0,7095700
ADAR	-0,5328575	-0,7528375	0,5744525	0,7112425
IFITM3	-0,7095550	-0,9069350	0,7904450	0,8260450
STAT2	-0,9273475	-0,9773975	0,8042725	1,1004725
STAT1	-0,7458500	-0,9503500	0,6082500	1,0879500
SERPINB9	-0,2676025	-0,6044025	0,6107675	0,2612375
SMURF1	-0,5785775	-0,3246275	0,5680825	0,3351225
SP100	-0,3990325	-0,4101225	0,2960175	0,5131375
TRIM25	-1,1012000	-0,1132900	0,3600300	0,8544600
TRIM22	-0,7407725	-0,6964825	0,5127075	0,9245475
XAF1	-0,1939250	-1,4255850	0,8175550	0,8019550
IFI35	-0,4450900	-1,3920500	1,0750300	0,7621100
IRF7	-0,5001875	-1,5086575	1,1239925	0,8848525
LAG3	-0,4393550	-1,4425250	1,0199850	0,8618950
RPTOR	0,2634000	0,2324600	-0,3009100	-0,1949500
COX7C	0,4145625	0,2490325	-0,3132475	-0,3503475

Supplementary Table 3. Differentially expressed genes on C8-derived CAR-T cells

GEN	NON-INFECTED CALU-3		INFECTED CALU-3	
OAS3	-0,5063825	-1,5264425	0,9227675	1,1100575
PML	-0,2586250	-0,8067850	0,7180550	0,3473550
OAS2	-0,5155850	-1,2447250	0,8176550	0,9426550
EGR1	-1,4611400	-1,8006200	1,7592500	1,5025100
OASL	-1,0355075	-1,6550875	1,2652625	1,4253325
FOS	-2,5641775	-1,0512175	1,7024225	1,9129725
IFIT2	-1,1933700	-1,6303700	1,0966900	1,7270500
MX1	-0,8895725	-1,8353825	1,2071275	1,5178275
USP18	-0,5515150	-2,1000150	1,4403950	1,2111350
IFI6	-0,6844375	-2,3062375	1,4183325	1,5723425
IFIT3	-0,8289350	-3,0378350	2,1440950	1,7226750
ISG15	-0,8782675	-2,4318775	1,6239725	1,6861725
CXCL6	0,4138875	1,3309975	-0,8290325	-0,9158525
PPP3CA	0,6813900	0,3663100	-0,7937100	-0,2539900
WDR45	0,1626800	0,7345200	-0,7109100	-0,1862900
CXCL9	1,7092100	-0,1820300	-0,0294600	-1,4977200
SMAD5	0,3372675	-0,0602825	0,1484775	-0,4254625
MID1IP1	0,3644975	0,1249775	-0,1741025	-0,3153725
TSC2	0,0525125	0,4710625	-0,2676575	-0,2559175
DVL2	0,3065800	0,1722000	-0,1382400	-0,3405400

Supplementary Table 4. Differentially expressed genes on C10-CD28 CAR-T cells
Up-regulated

GEN	NON-INFECTED CALU-3		INFECTED CALU-3	
NR3C1	-1,1953825	-0,7088125	1,1790475	0,7251475
NFAT5	-1,1306625	-0,4517325	1,3121175	0,2702775
TNFRSF10B	-0,8970600	-0,7782600	1,2746800	0,4006400
TICAM1	-0,7431300	-0,5306700	1,0690700	0,2047300
AHR	-0,7618050	-0,7860050	1,1302350	0,4175750
SERPINB9	-0,3981150	-0,6273950	0,5681250	0,4573850
PIK3R1	-0,3367825	-0,7770125	0,5184575	0,5953375
FNIP1	-0,3626825	-0,4428425	0,8852875	-0,0797625
JAK1	-0,2338000	-0,5489400	0,6285900	0,1541500
STAM	-0,3971725	-0,2225725	0,3689275	0,2508175
TET2	-0,4740800	-0,3739900	0,6178300	0,2302400
TRAF3	-0,4052000	-0,2493200	0,4034100	0,2511100
IL2	-0,8165975	-1,3589675	3,0810925	-0,9055275
TNF	-1,0809825	-1,3636325	1,9423475	0,5022675
CXCL1	-1,1005575	-1,4236475	1,6306025	0,8936025
BCL6	-0,8108425	-1,7435725	1,2398275	1,3145875
OASL	-1,2655225	-1,7297025	1,3905375	1,6046875
GADD45B	-0,7720025	-2,2962325	2,1766875	0,8915475
IFNGR2	-1,3536450	-1,6550850	2,1448950	0,8638350
FOS	-2,7706125	-1,5086325	2,1188675	2,1603775
DUSP1	-2,1184025	-2,0123625	2,2049175	1,9258475
IL6	-2,5890550	-1,9228750	2,8390650	1,6728650
IFNB1	-3,0999425	-3,9723725	3,0840075	3,9883075
JUN	-1,7904150	-2,3372350	2,4446250	1,6830250
EGR1	-1,6304300	-2,9207100	2,6540400	1,8971000
CCL20	-2,1050775	-1,3063875	2,7056125	0,7058525
CXCL8	-2,0055550	-1,7839350	2,8882950	0,9011950
CXCL2	-1,7931525	-1,3595025	1,7908775	1,3617775
CXCL3	-1,6751675	-1,4818975	2,0736825	1,0833825
NFKBIA	-2,0321700	-1,3550100	2,1069900	1,2801900

Supplementary Table 5. Differentially expressed genes on C10-CD28 CAR-T
Down-regulated

GEN	NON-INFECTED CALU-3		INFECTED CALU-3	
COX16	0,3036400	0,3334300	-0,3087700	-0,3283000
NCAPG2	0,3281450	0,3517550	-0,4167150	-0,2631850
UQCR10	0,5226800	0,1403900	-0,3231800	-0,3398900
TP53	0,4943550	0,1190650	-0,2887450	-0,3246750
MAP2K2	0,2588050	0,0543950	-0,1618550	-0,1513450
RAC2	0,2953500	0,2212900	-0,2694600	-0,2471800
AKT1	0,3800000	0,1508800	-0,3475900	-0,1832900
ITGB2	0,3520500	0,1962000	-0,3748800	-0,1733700
OAT	0,4711875	0,0440075	-0,3476825	-0,1675125
COX6B1	0,4166875	0,1668675	-0,3312525	-0,2523025
ACSL5	0,3268625	0,4315725	-0,1942075	-0,5642275
PKD1	0,5358250	0,1858450	-0,1960950	-0,5255750
PSMB10	0,4334050	0,1436950	-0,1628150	-0,4142850
TRBV2	0,6094775	-0,2226525	-0,0598025	-0,3270225
TRAV22	0,5169250	-0,2738850	0,1918850	-0,4349250
RPTOR	0,3448625	-0,1034875	0,1606525	-0,4020275
LPAR6	0,7498725	-0,1131575	-0,3676175	-0,2690975
NDUFB9	0,5069725	0,0787225	-0,2663475	-0,3193475
SLC2A1	0,7051925	-0,0422575	0,0413025	-0,7042375
TRBV29-1	1,1443025	-0,1900075	0,0469025	-1,0011975
CTSW	0,8795425	-0,3984375	0,0407825	-0,5218875
LAMP2	1,0184475	-0,1870925	-0,1968325	-0,6345225
CTSD	1,5393775	0,0428875	-0,4865225	-1,0957425
MIF	0,6278700	0,2601600	-0,4567300	-0,4313000
SCD	0,7153650	0,1884850	-0,4821950	-0,4216550
CD9	0,8452825	0,3462725	-0,9728675	-0,2186875
DHRS4	0,4600050	0,3906850	-0,7067750	-0,1439150
1.00 PGK	0,5040850	0,4037850	-0,7158550	-0,1920150
ALDOC	0,4525600	0,6620800	-0,6054600	-0,5091800
PKM	0,4290175	0,4213375	-0,5781025	-0,2722525
TKT	0,5486700	0,1824900	-0,6245500	-0,1066100
NME2	0,4516500	0,2799500	-0,5310500	-0,2005500
MTHFD1	0,2700550	0,3264950	-0,5151750	-0,0813750
COX5B	0,3765275	0,2631175	-0,5566325	-0,0830125
MAGED1	0,3369600	0,3124200	-0,5433500	-0,1060300
PPIA	0,3350500	0,3391500	-0,5429500	-0,1312500
PHGDH	0,3497900	0,4996800	-0,9621100	0,1126400
GNAI2	0,2077000	0,4059000	-0,6404000	0,0268000
NDUFA2	0,2163625	0,5982125	-0,6451875	-0,1693875
PFKL	0,2470400	0,5040900	-0,6914800	-0,0596500
WHSC1	0,1683250	0,3965750	-0,5503950	-0,0145050
UQCRQ	0,2289975	0,3897875	-0,5812525	-0,0375325

Supplementary Table 6. Differentially expressed genes on C10-BBz CAR-T cells
Up-regulated

GEN	NON-INFECTED CALU-3		INFECTED CALU-3	
EGR1	-0,9698225	-2,5689325	1,5103275	2,0284275
GADD45B	-1,0324925	-2,0727025	1,3656075	1,7395875
OASL	-1,3173200	-1,7027200	1,3819500	1,6380900
CXCL1	-1,4802825	-1,2851725	1,5184275	1,2470275
NFKBIA	-2,1773850	-0,9731050	1,3843950	1,7660950
CXCL3	-1,8306125	-1,2056025	1,4191575	1,6170575
CXCL2	-1,8154400	-1,1576800	1,1763600	1,7967600
JUNB	-1,5073200	-0,4174000	1,3937900	0,5309300
MX1	-1,4795475	-0,9609975	1,3158225	1,1247225
OAS1	-1,0049475	-1,2801975	1,6229325	0,6622125
IFI6	-1,5197250	-1,0770150	1,8493950	0,7473450
IFNGR2	-1,3301150	-1,5355550	1,8176850	1,0478850
IL6	-2,0208850	-1,5299250	1,3924350	2,1583750
DUSP1	-2,1455900	-1,6142500	1,6560300	2,1038100
JUN	-1,8069800	-2,2040400	2,1129600	1,8980600
CXCL8	-2,3400350	-1,4416350	2,3100350	1,4716350
IFIT3	-1,3661975	-1,9747675	2,4989925	0,8419725
USP18	-1,0602650	-1,6437450	1,7260250	0,9779850
ISG15	-1,2646825	-1,8039125	2,1071475	0,9614475
IFIT1	-1,3729250	-2,6917650	3,0681650	0,9965250
LAG3	-0,6782250	-0,8173050	0,7274250	0,7681050
PTGER4	-0,3575550	-0,9148450	0,4831850	0,7892150
NR3C1	-0,6405525	-0,7714225	0,4556275	0,9563475
IL4R	-0,1833500	-0,3805400	0,3009100	0,2629800
RELA	-0,2687250	-0,2601550	0,4792550	0,0496250
DIABLO	-0,3339125	-0,3200425	0,4386575	0,2152975
FOXO1	-0,4011775	-0,4688375	0,4553325	0,4146825
USP15	-0,2469650	-0,4647650	0,4610150	0,2507150
MTOR	-0,2634200	-0,4993300	0,1399200	0,6228300
TRAF6	-0,1720900	-0,5367400	0,0353200	0,6735100
IRF7	-0,0960900	-1,4607400	1,1817100	0,3751200
CTNND1	-0,1047750	-1,5167250	1,1147550	0,5067450
BCL6	-0,4854550	-1,6415050	0,9111950	1,2157650
IRF1	-0,4962300	-1,4327800	1,3545700	0,5744400
TICAM1	-0,3986975	-0,5674175	0,7416025	0,2245125
SERPINB9	-0,3240325	-0,5987825	0,8162775	0,1065375
CD69	-0,7805275	-0,4733275	0,8941125	0,3597425
SLC3A2	-0,6743200	-0,5660100	0,8983000	0,3420300
MAP3K14	-0,0963175	-0,9665975	1,0595825	0,0033325
TNFRSF10B	-0,5101750	-0,8955750	1,0126050	0,3931450
SRC	-0,0697475	-1,1522475	0,8529625	0,3690325
PIK3R1	-0,3453675	-0,9281075	0,7949325	0,4785425
IL6ST	-0,3780750	-1,0371650	1,5129950	-0,0977550

Supplementary Table 7. Differentially expressed genes on C10-BBz CAR-T
Down-regulated

GEN	NON-INFECTED CALU-3		INFECTED CALU-3	
ATP5J2	0,5925925	0,8985425	-1,8031575	0,3120225
SMC2	0,5350625	0,6678225	-1,2091575	0,0062725
PTPRC	0,6238400	0,7336400	-1,1705800	-0,1869000
CASP3	0,1606125	0,5993525	-0,8932475	0,1332825
NCAPH	0,2883700	0,8297800	-0,9656000	-0,1525500
DOCK2	0,2139750	0,5909650	-0,7444950	-0,0604450
PYCR2	0,3192325	0,5586625	-0,7048575	-0,1730375
COX7B	0,2718475	0,4610875	-0,6377725	-0,0951625
GLUD1/2	0,3788050	0,4515950	-0,7748750	-0,0555250
UBE2F	0,2557325	0,4802325	-0,7352075	-0,0007575
NDUFA1	0,3348100	0,4199300	-0,6878900	-0,0668500
JAK2	0,9213225	0,4601025	-1,1993375	-0,1820875
IL10RA	0,8253075	0,3713975	-0,8538125	-0,3428925
CCL28	0,7790650	0,0327950	-0,7051250	-0,1067350
IFNAR1	0,6732625	0,3866225	-0,7713975	-0,2884875
MTHFS	0,5411925	0,3413225	-0,6139575	-0,2685575
CD3G	0,5029775	0,2624775	-0,5110425	-0,2544125
GZMA	0,4257825	0,5937725	-0,4572775	-0,5622775
VAV1	0,2604025	0,5056625	-0,5341975	-0,2318675
SHMT1	0,3210000	0,5089000	-0,5761700	-0,2537300
LCK	0,3787075	0,4897975	-0,5983425	-0,2701625
CDC26	0,0894725	0,6550925	-0,3390675	-0,4054975
TFDP1	0,1328500	0,4729100	-0,3163000	-0,2894600
ACSL5	0,1083825	0,5189725	-0,4725975	-0,1547575
SH2D1A	0,2385850	0,4138150	-0,5141950	-0,1382050
SLC25A6	0,2999650	0,3525550	-0,4660750	-0,1864450
WAS	0,3402100	0,2211100	-0,4351000	-0,1262200
ATP5L	0,2736325	0,3425825	-0,3515975	-0,2646175
COX5B	0,3637650	0,2534950	-0,2649250	-0,3523350
SMAD2	0,2473525	0,3591525	-0,3458275	-0,2606775
PARP1	0,2448025	0,3176925	-0,3012275	-0,2612675
NOTCH1	0,8026650	0,5129850	-0,6419950	-0,6736550
TRAV17	0,8078425	0,4898125	-0,3630575	-0,9345975
TRBV3-1	1,2299625	0,0859225	-0,4528575	-0,8630275
IL16	1,0432525	0,3396125	-0,4979175	-0,8849475
TRBV13	1,1026125	-0,0534375	0,3949225	-1,4440975
TRBV10-3	1,2369375	-0,0934925	0,0553075	-1,1987525
TRBV6-9	0,8467025	0,2045225	0,1569325	-1,2081575
CD7	0,7456225	0,2569925	0,3009725	-1,3035875
LAMP1	0,4643800	0,2773800	0,1217400	-0,8635000
DHRS4	0,6265050	0,3009350	-0,2051750	-0,7222650
TRBC1/2	0,9053850	0,1079250	-0,3022350	-0,7110750
RDH14	0,4782675	0,0647175	-0,0595025	-0,4834825
TRIM33	0,4211025	0,0282625	-0,1833375	-0,2660275
TRBV4-2	0,7193775	0,1080975	-0,3627125	-0,4647625
LAT	0,7130750	0,1429150	-0,4267350	-0,4292550
ITGB2	0,4991625	0,1260125	-0,3605275	-0,2646475
MAP2K7	0,6621250	0,0396850	-0,3350750	-0,3667350
TSC2	0,6147875	0,0657275	-0,3741925	-0,3063225
TRBV12-3	1,1865950	-0,3687350	-0,6503850	-0,1674750
TRBV9	1,0548025	-0,1193175	-0,4329275	-0,5025575
TRAV36	0,9140675	-0,3130725	0,0543675	-0,6553625
TRBV15	0,6843100	-0,0302800	-0,0684700	-0,5855600
CALM1	0,6424600	-0,0887000	-0,0183300	-0,5354300
TRDV1	0,8599875	-0,1850425	-0,3216425	-0,3533025
TRAV26-1	0,7941500	-0,0761300	-0,4191800	-0,2988400
TRAT1	0,8550125	0,0251825	-0,4078075	-0,4723875
IL32	0,8465000	0,1008000	-0,4774000	-0,4699000