Supplementary Figure S1

A

B

MC DNA (transposase + transposon / 1:1.2 ratio)

EGFRt cells [%]

no pulse
mock
3.3 μg
8.3 μg
16.6 μg
21 μg
24.8 μg
33 μg
48.3 μg

EGFRt cells [cells/ml]

no pulse
mock
3.3 μg
8.3 μg
16.6 μg
21 μg
24.8 μg
33 μg
48.3 μg

BMJ Publishing Group Limited (BMJ) disclaims all liability and responsibility arising from any reliance placed on this supplemental material which has been supplied by the author(s).
Supplementary Figure S2

The graph shows the viable cells (cell count) over time. The x-axis represents days (d0, d3, d4, d6, d10, d12), and the y-axis represents viable cells. The graph includes a vertical line indicating electroporation. The values on the y-axis range from $1 \times 10^9$ to $4 \times 10^9$. The data points suggest an increase in viable cells after electroporation.
Supplementary Figure S3

EGFRtCD3

Mock 0.32

EGFRtCD4

CAR 43.11

EGFRtCD8

BMJ Publishing Group Limited (BMJ) disclaims all liability and responsibility arising from any reliance placed on this supplemental material which has been supplied by the author(s).
Supplementary Figure S4

### Pre-enrichment

- **Viability**
  - CD56+/CD16
  - CD56+7-AAD-CD3-
  - CD56+/7-AAD-CD3-/CD14-/CD19-
  - CD8
  - CD45+/7-AAD-/CD3-/CD14-/CD19-
  - CD3
  - CD45+/7-AAD-/CD3+/CD16-

- **CD4/CD8**
  - CD8
  - CD4

- **T cells/NKT cells**
  - CD3
  - CD56/CD16

- **Monocytes/B cells**
  - CD14
  - CD19

- **Eosinophils/Neutrophils/NK cells**
  - SSC
  - CD56/CD16

### Post-enrichment

- **Viability**
  - CD56+/CD16
  - CD56+7-AAD-CD3-
  - CD56+/7-AAD-CD3-/CD14-/CD19-
  - CD8
  - CD45+/7-AAD-/CD3-/CD14-/CD19-
  - CD3
  - CD45+/7-AAD-/CD3+/CD16-

- **CD4/CD8**
  - CD8
  - CD4

- **T cells/NKT cells**
  - CD3
  - CD56/CD16

- **Monocytes/B cells**
  - CD14
  - CD19

- **Eosinophils/Neutrophils/NK cells**
  - SSC
  - CD56/CD16

### Final Cell Product

- **Viability**
  - CD56+/CD16
  - CD56+7-AAD-CD3-
  - CD56+/7-AAD-CD3-/CD14-/CD19-
  - CD8
  - CD45+/7-AAD-/CD3-/CD14-/CD19-
  - CD3
  - CD45+/7-AAD-/CD3+/CD16-

- **CD4/CD8**
  - CD8
  - CD4

- **T cells/NKT cells**
  - CD3
  - CD56/CD16

- **Monocytes/B cells**
  - CD14
  - CD19

- **Eosinophils/Neutrophils/NK cells**
  - SSC
  - CD56/CD16