

CD19SCFV-CD28-4-1BB-CD3ζ CAR-T CELLS

DESCRIPTION

CAR-T cells are available at 1×10^6 - 1×10^9 cells in frozen vials, and shipped on dry-ice. CAR-T cells are cryopreserved in next-generation cryopreservation CS10 CryoStor medium (Sigma Aldrich, Catalog Number: C2874). All our cells are pathogen- and mycoplasma-free.

STORAGE TEMPERATURE

Frozen vials of CAR-T cells are stored in vapor phase liquid nitrogen at -130°C .

PROTOCOL

1. Thaw Control CAR-T cell samples quickly in a 37°C water bath until all visible ice has melted. Thaw time for a 1 ml sample in a cryovial is 2-3 minutes. Cryovials should be cool to the touch when removed from the water bath.
2. Dilute cell/CryoStor mixture immediately with CAR-T cell culture medium. This can be performed in a single step. The dilution medium should be between 20 - 37°C . A dilution ratio of 1:10 (sample:medium) or greater is recommended.
3. Plate cells appropriately according to the experimental conditions of assays.
4. Culture the control lentivirus CAR-T cells or use immediately

Note: T cells that are used immediately after thawing have the highest level of viability.

DELIVERABLES

Available Cell Numbers	Price	Catalog Number
1×10^6 cells	Please inquire	PM-CAR1003-1M
2×10^6 cells	Please inquire	PM-CAR1003-2M
1×10^7 cells	Please inquire	PM-CAR1003-10M
2×10^8 cells	Please inquire	PM-CAR1003-200M
1×10^9 cells	Please inquire	PM-CAR1003-1KM

DATA

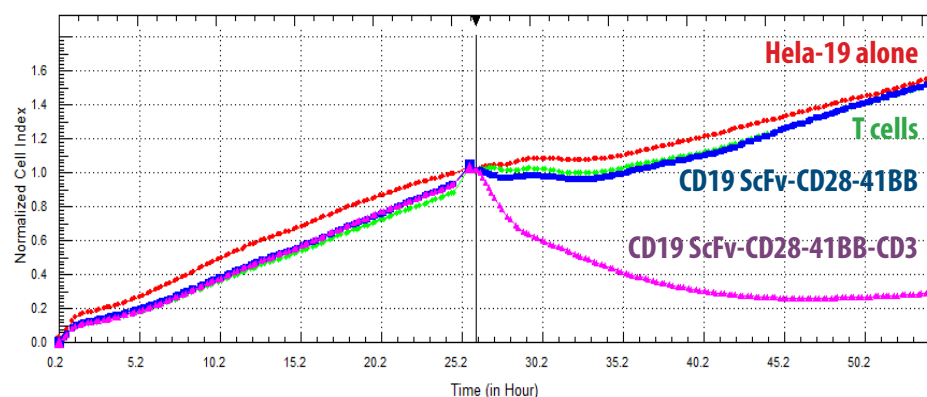


Figure 1. CD19scFv-4-1BB-CD3ζ cells show a significant cytotoxic effect on target cells over-expressing the CD19 antigen. Effector:Target ratio of 10:1
CD19CD28-4-1BB-CD3ζ had comparable activity as CD19-4-1BB-CD3ζ (not shown)

Products and Services

- Mouse Monoclonal Antibody
- Rat Monoclonal Antibody
- Human Antibody
- Hybridoma Sequencing
- Polyclonal Antibody