



Products and Services

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

DESCRIPTION

The CD19 scFv-CD28-4-1BB and CD19 scFv-CD28 with deleted CD3ζ control CAR-T cells are available at 1x10⁷-1x10⁹ cells in frozen vials, and shipped on dry-ice. The Control Delta CD3 ζ CAR-T cells were cryopreserved in the next-generation cryopreservation CS10 CryoStor medium (*Sigma Aldrich*, Catalog Number: C2874. CryoStor is a registered trademark of BioLife Solutions, Inc.). All our cells are pathogen- and mycoplasma-free.

STORAGE TEMPERATURE

Liquid nitrogen vapor phase for frozen vial (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
1x10 ⁶ cells	Please inquire	AMS.PM-CAR1004-1MP
1x10 ⁹ cells	Please inquire	AMS.PM-CAR1004-1000M AMS.PM-CAR1009-1000M

DATA

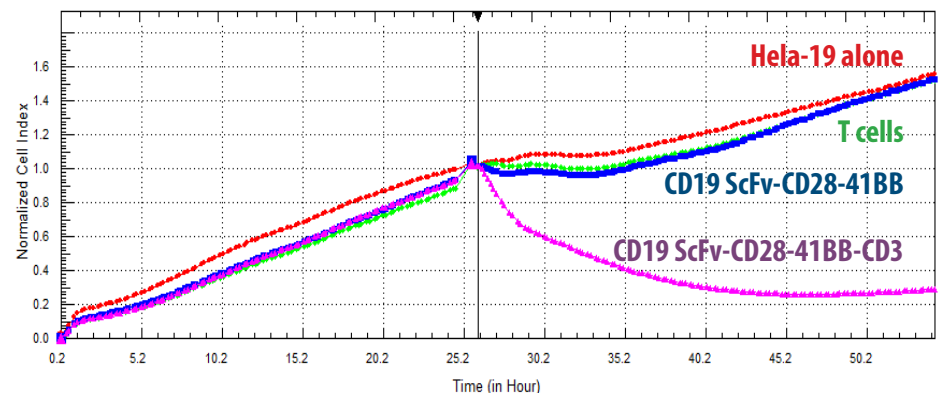


Figure 1. Real-time cytotoxicity assay with target cells alone and control CD19 scFv-CD28-4-1BB delta CD3ζ T cells versus CD19scFv-CD28-4-1BB-CD3ζ

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