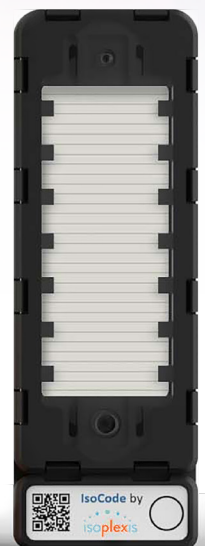


# isocode<sup>®</sup>

Mouse TCR-T Cell Guide  
for IsoCode

IsoCode  
Reagent

IsoCode



## Legal Notices

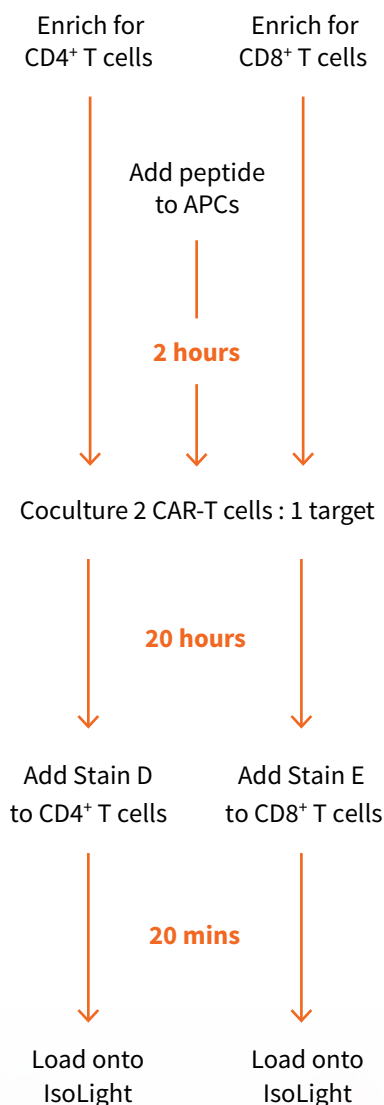
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**Selected Reference:**

Ma et al., Cancer Discovery 2013



### IsoCode Chip Pre-Chip Stimulation

- A. Pulse peptide antigen onto APC target cells (e.g., T2 cells) for 2-4 hours at 37°C
- B. Coculture 2 CAR-T cells : 1 APC target for 19-21 hours
  - 1) CD4+ CAR-T cells : unpulsed targets
  - 2) CD4+ CAR-T cells : pulsed targets
  - 3) CD8+ CAR-T cells : unpulsed targets
  - 4) CD8+ CAR-T cells : pulsed targets

### T cell Enrichment

- A. Ficoll cells to ensure >80% viability
- B. Enrich for CD4+ TCR-T cells via Miltenyi CD4+ T Cell Isolation Kit (see kit protocol)
- C. Enrich for CD8+ TCR-T cells via Miltenyi CD8+ T Cell Isolation Kit (see kit protocol)

*Enriching for CD4+ or CD8+ T cell population is required in order to detect cell subsets in required quantities on the IsoCode Chip*

### IsoCode Chip Staining Step

- A. Add Stain D\* to enriched CD4+ T cells
- B. Add Stain E\* to enriched CD8+ T cells

*See 'IsoLight Manual' for additional stains and for exact volumes and cell concentrations*

### Loading onto the IsoLight

- A. Add cells at 800,000 cells/mL to the IsoCode Chip and load onto the IsoLight

### Wait for IsoCode Results

- A. Review data after completion of 24 hour run

\*Reagents supplied by IsoPlexis