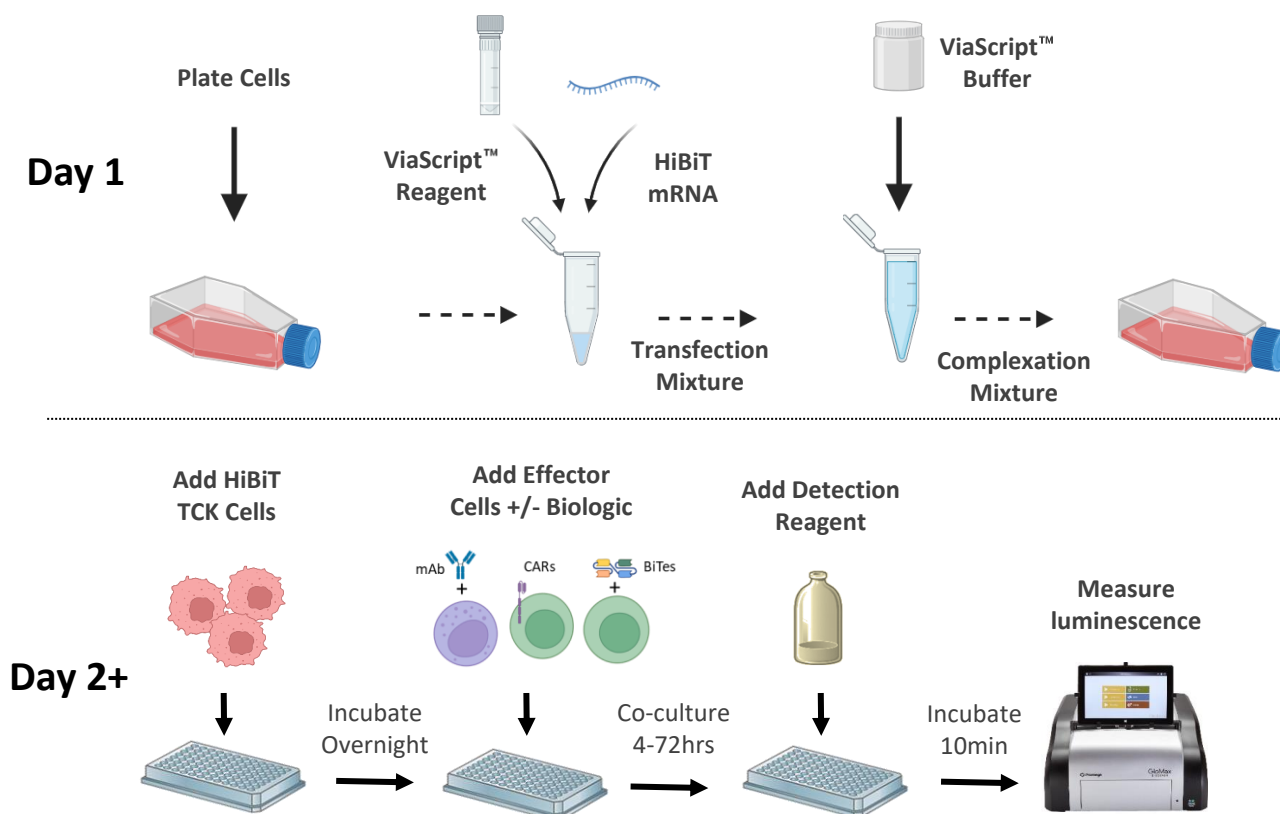


ViaScript™ (HiBiT) TCK Bioassay: Harness the Power of HiBiT in Your Cell Lines



The efficacy of biologic-based immunotherapies relies on their ability to induce apoptosis and cell death through the recruitment and activation of immune effector cells. The HiBiT Target Cell Killing (TCK) Bioassays include a target cancer cell engineered to express a HiBiT fusion protein that remains intracellular until cell lysis. Upon cell death and membrane disruption, HiBiT is released into the media where it is stable for >3 days. Substrate addition allows for HiBiT to bind with high affinity to its LgBiT counterpart to form the functional NanoBiT Luciferase. The resulting luminescent signal is proportional to the number of dead cells in the culture and is specific to target cell death.

Durability

- HiBiT protein is detectable as early as 8hrs post-transfection and is stable for >3 days

Dynamic Signal-to-Noise Ratio

- Robust signal with as little as 2,000 cells or 500 cells in a 384 well format

Suitable For Screening

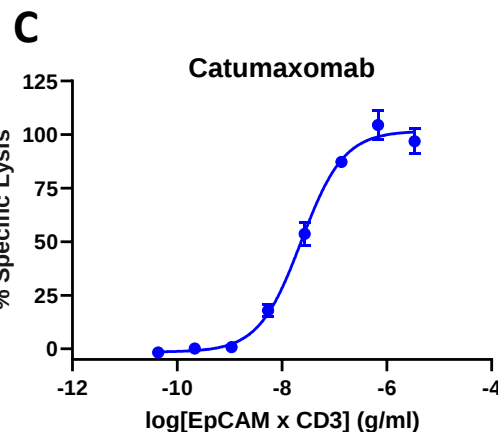
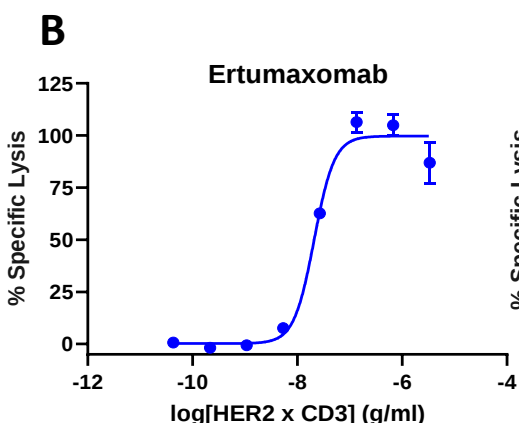
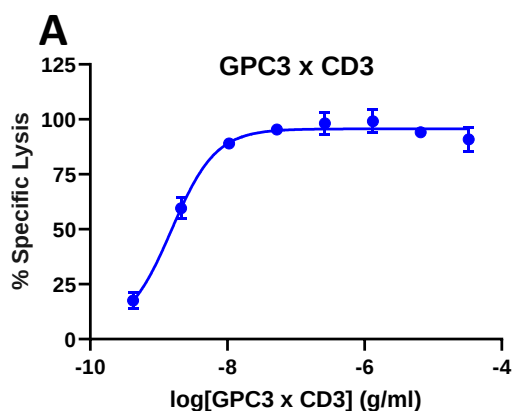
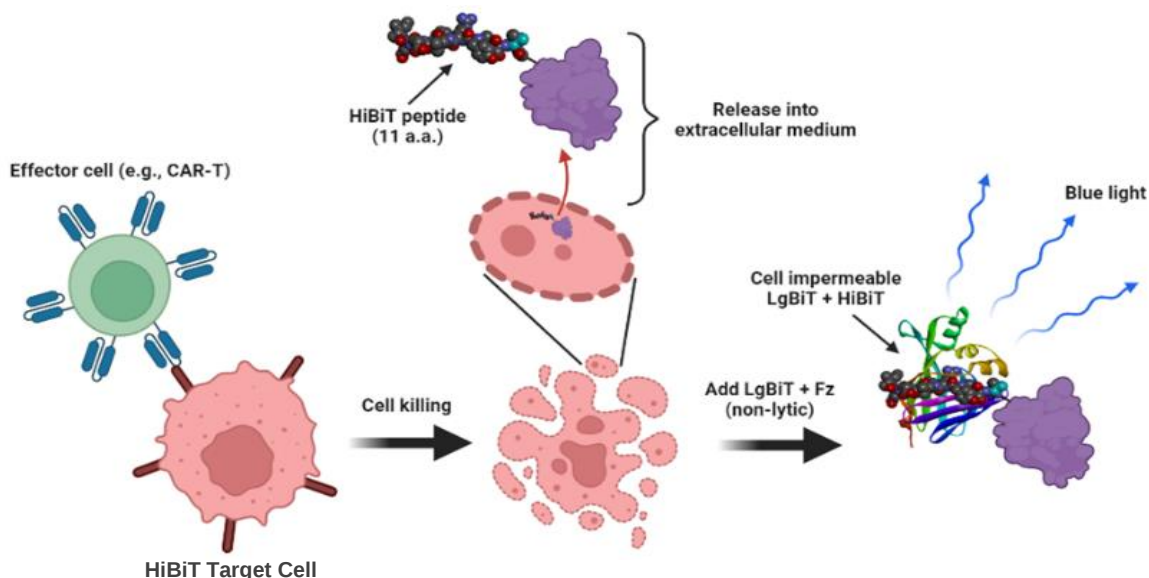
- Allows for multiple different cell lines and antigen KO's to be screened to determine the optimal target cell for your biologic

Synergize With Qualified Effector Cells

- Human PBMCs, CD8+ T cells and Macrophages qualified for ADCC, TDCC and ADCP activity respectively with our TCK cells are available

HiBiT Target Cell Killing Bioassays:

A Validated Assay To Measure Target & Antigen-Specific Cell Death



ViaScript and TCK technologies combine for a powerful platform to test biologic MoAs: HepG2 cells were transfected with ViaScript™ (HiBiT) TCK technology followed by a 24hr TDCC bioassay using CD8+ T cells and the indicated biologic. A) GPC3 x CD3, B) Ertumaxomab (EpCam x CD3) and C) Catumaxomab (EpCAM x CD3)

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