

ActiveMax μ Beads as a cell-free off-the-shelf tool to assess antigen-specific activation of CAR-T Cells



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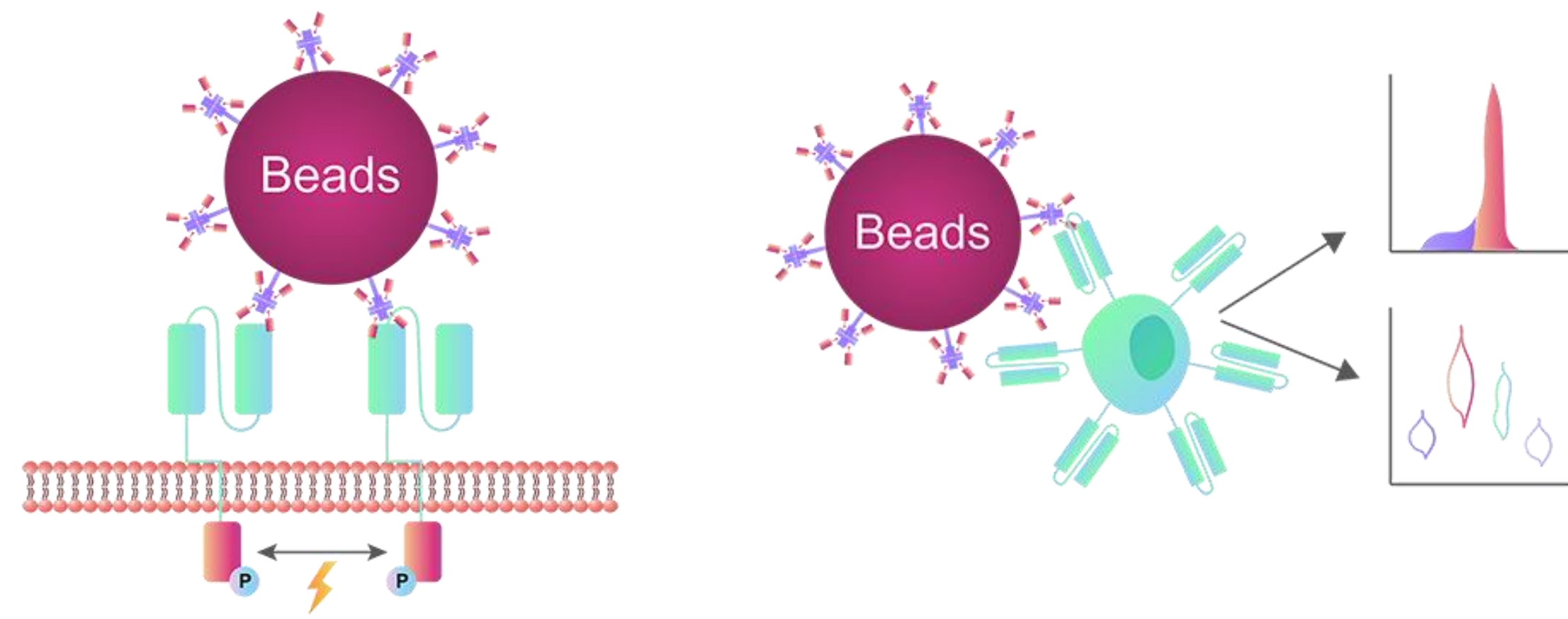
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ActiveMax μ beads

- **Uniform** beads, **5.5 μ m in diameter**
- Superparamagnetic
- Can be **coated with**:
 - Monoclonal antibodies (e.g. anti-CD3, anti-CD28)
 - Recombinant proteins of common **CAR-T targets** (e.g. **CD19, BCMA, HER-2, MLSN**, etc)



ActiveMax μ beads trigger CAR-T activation...

... and can be used for *in vitro* CAR-T functional assessments (activation, cytokine secretion, etc)

Bead-based assay

vs

Cell-based assay

Off-the-shelf and ready to use

Requires thawing and culture of cell line

Consistency between lots

Variability in cryopreserved cell lots

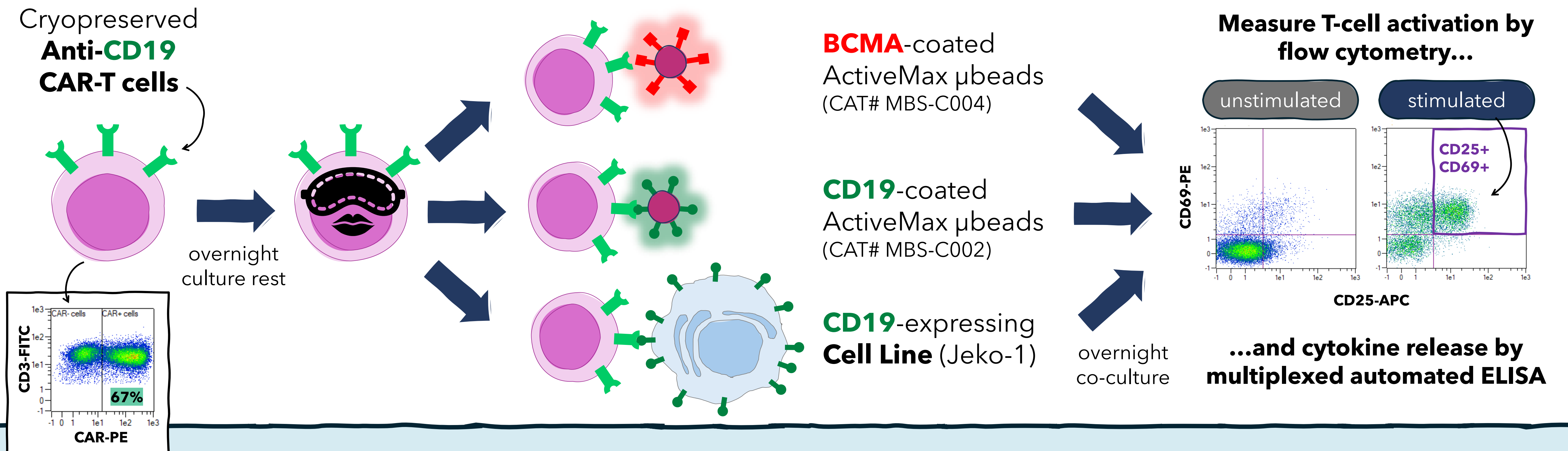
No background

Each target cell line has a different background

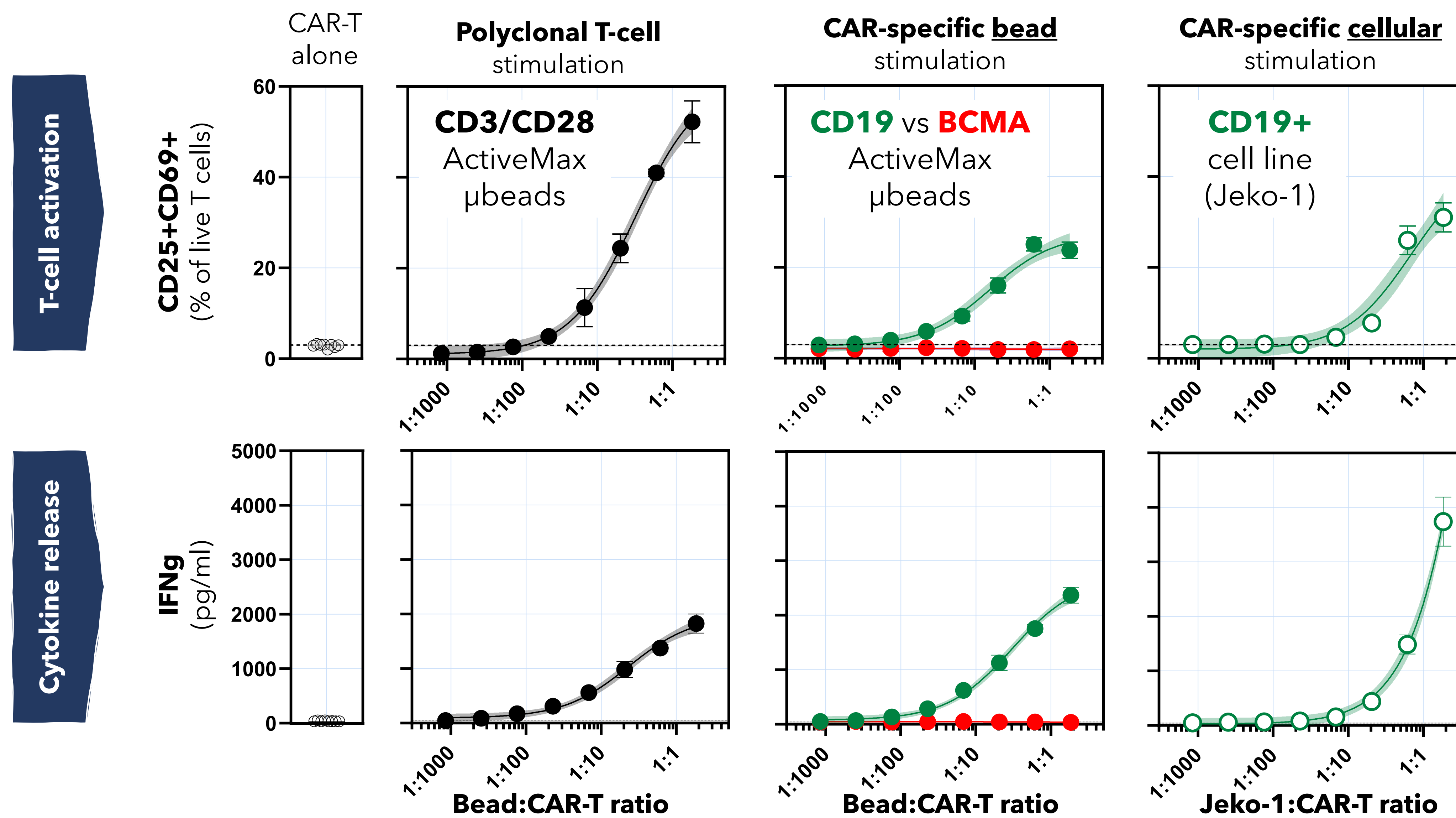
Easy switch of target antigen

New antigen requires new cell line

In vitro CAR-T stimulation with beads or cancer cells



ActiveMax μ beads trigger T-cell activation and cytokine release



ActiveMax μ beads trigger **antigen-specific CAR-T cell activation** and **cytokine secretion** comparable to a target cell line

ActiveMax μ beads can be used to assess CAR-T functionality in an easy and consistent manner.