



T cell activator ATC01-0050H

Artificial cells optimised for T cell activation



Why use Aim-Tconv?

Streamline your workflow

- Works directly with PBMC or isolated CD3+ cells
- No tedious bead removal steps
- Self-degrades at programmed timepoints or add enzyme on-demand

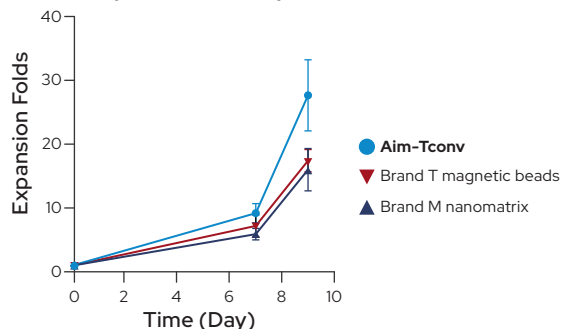
Superior T cell expansion

- Higher expansion folds vs magnetic beads/nanomatrix
- Balanced memory subtype (Tcm/Tem), better persistence
- Faster exhaustion recovery
- T cells remain re-stimulation capable
- Equivalent *in vitro* tumour killing with reduced cytokine-related toxicity

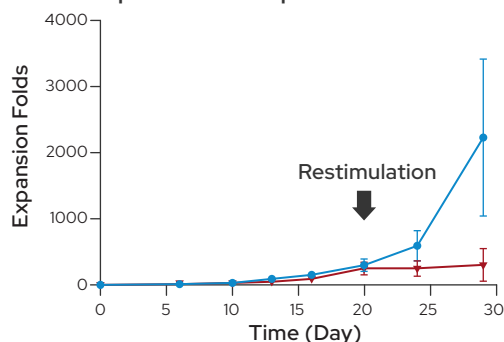
Biomimetic design

- Fluid lipid membrane mimics natural APCs
- Gentler activation signals reduce exhaustion
- 100% chemically defined, animal-free formulation

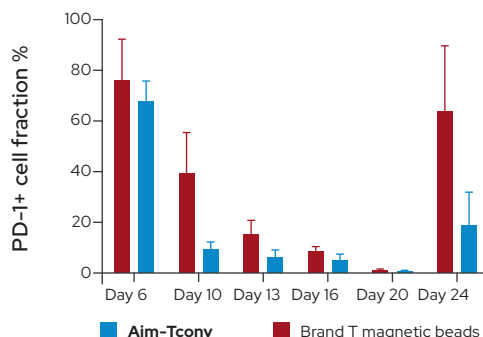
T cell proliferation profile



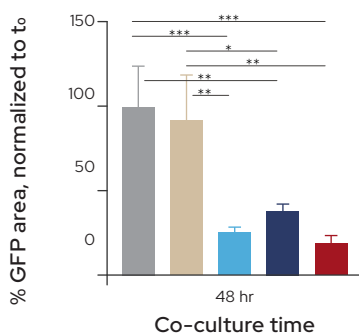
T cell proliferation post-restimulation



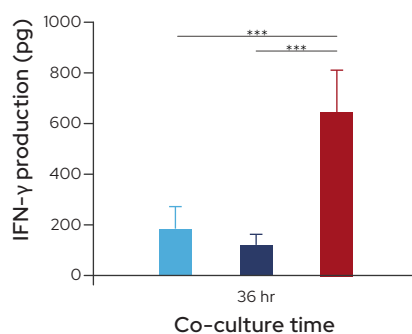
T cell exhaustion profile



CAR-T cell-mediated tumour killing



IFN-γ expression in CAR-T cells



T cell memory subtypes

