GMP-Grade Reagents

Coming Soon: GMP-Grade Recombinant Monoclonal Antibody Conjugates for Cell Therapy Manufacturing & QC

CST revolutionized pre-clinical CAR cell characterization with universal recombinant monoclonal antibodies specific to the ubiquitous Whitlow/218 and G4S linker sequences of scFv-based CARs. This innovation enabled scientists to use a single reagent for a variety of assays without the time or cost of developing anti-idiotype antibodies for every CAR construct.

These trusted antibody conjugates, manufactured to be GMP-grade, are intended to simplify enrichment of G4S linker CAR+ cells and increase productivity for in-process QC and lot release assays. When pre-clinical development teams use the same reagents, handoffs to clinical production can be that much easier.

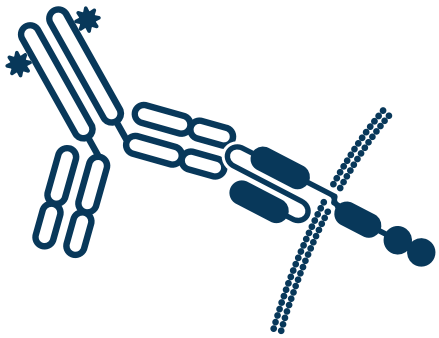
CAR+ Cell Enrichment in Manufacturing



G4S Linker (E7O2V) Rabbit Monoclonal Antibody (Biotin Conjugate) (GMP-Grade)

- Enrich any G4S linker-containing CAR-T cell with one reagent.
- Biotin-conjugated antibodies are amenable to magnetic bead-based CAR-T cell enrichment on cell therapy manufacturing instrumentation.
- Standardize percent CAR-positive cells and mitigate issues associated with low transduction efficiencies.
- Designed and manufactured to GMP-grade reagent standards (Full GMP certification and commercial quantities available mid-2026).

CAR+ Cell Detection for Analytical QC



G4S Linker (E7O2V) Rabbit Monoclonal Antibody (PE Conjugate) (GMP-Grade)

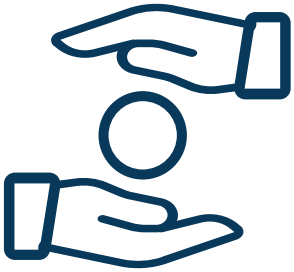
- Detect any G4S linker-containing CAR-T cell with one reagent.
- Simplify in-process QC and lot release assays.
- PE-conjugated antibodies plug into your existing analytical QC workflows.
- Amenable to CAR+ cell detection in flow cytometry and FACS-based enrichment.
- Designed and manufactured to GMP-grade reagent standards (Full GMP Certification & Commercial Quantities available mid-2026).

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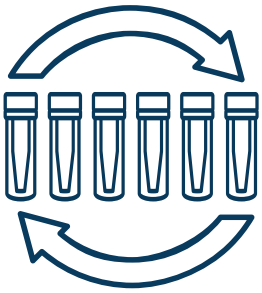
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Cell Signaling TECHNOLOGY™



Seamless Transfer from Pre-Clinical to Clinical

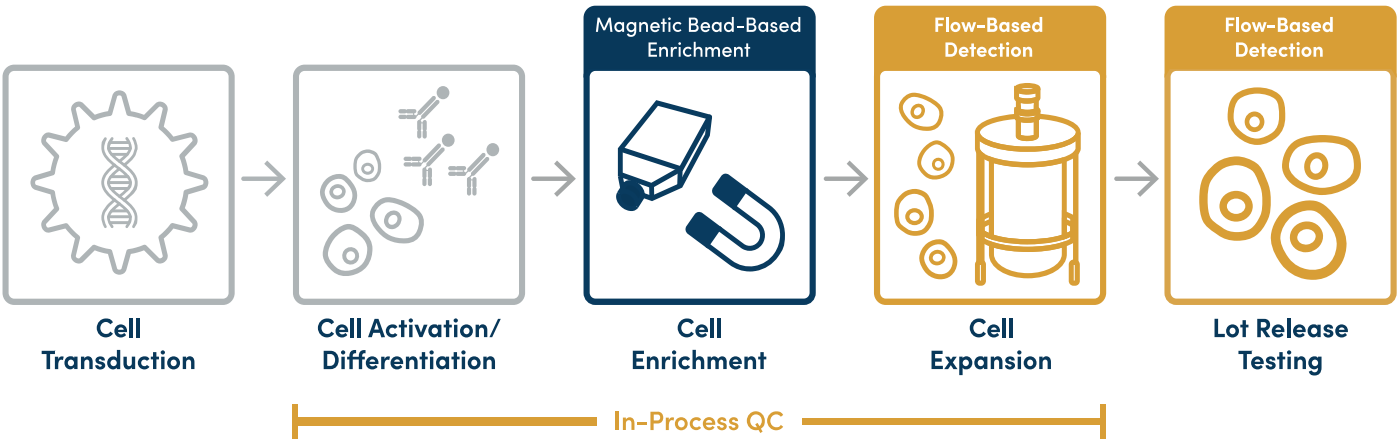
- Smoother handoffs when the same GMP-grade reagents are used in pre-clinical development as in manufacturing and QC.
- Save time when you don't have to qualify reagents for clinical environments.



Reagent Security and Supply Continuity

- Compliant GMP process and required documentation as well as controlled chain-of-custody to ensure traceability.
- Recombinant monoclonal antibodies produced from a Master Cell Bank enable lot-to-lot consistency.

Incorporate Robust, Flexible CAR-T Cell Enrichment and Detection into Your Manufacturing and QC Workflows



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