

Accelerate Your CAR-T Therapy Development with the EndureCART™ Platform

Protheragen combines its advanced EndureCART™ platform with full-service capabilities to support the discovery and preclinical development of advanced CAR-T therapies—tailored to your indication, cell source, and therapeutic strategy.

What We Offer

Development Stage	Services
Target & Construct Design	Antigen discovery, CAR architecture design, vector construction
Cell Engineering	T cell isolation, transduction (viral/non-viral), <i>in vitro</i> expansion
<i>In Vitro</i> Characterization	Expression verification, cytotoxicity, cytokine profiling, persistence
<i>In Vivo</i> Pharmacology	Efficacy, bio-distribution, toxicity in humanized/CDX/PDX models
Clinical Research Support	IIT design, regulatory filing, patient recruitment, data management

Platform Highlights (EndureCART™)

- ✓ Memory-optimized CAR design for durability
- ✓ Tumor-restricted activation *via* signal tuning
- ✓ IgG-based CAR architecture for scalability
- ✓ Allogeneic and autologous compatible



Robust Disease Models for CAR-T Evaluation

We provide validated *in vitro* and *in vivo* models across major therapeutic areas:

- Hematologic Cancers: ALL, B-cell lymphoma, multiple myeloma
- Solid Tumors: Melanoma, breast, colorectal, neuroblastoma
- Autoimmune Diseases: RA, SLE, MG
- Infectious Diseases: HIV, CMV, HBV
- Fibrosis/Neurological: Liver/cardiac fibrosis, Alzheimer's

Full-Service Preclinical Support

- CAR design, vector engineering
- CAR-T cell manufacturing (lab scale)
- *In vitro* validation & cytokine release studies
- *In vivo* PD/PK and safety evaluations
- Biodistribution and persistence tracking

We collaborate closely with researchers, biotech companies, and pharmaceutical developers to deliver tailored, efficient, and science-driven solutions. Whether you're starting early discovery or preparing for IND, Protheragen is ready to support your goals. Let's explore how we can work together.

Please note that we are a research service provider and do not provide diagnostic or treatment services to individuals.