



维根生物科技有限公司
Vigen Biotechnology (Zhenjiang) Co., Ltd

VigenCAR®

Tel: 183 628 99236
E-mail: 253540644@qq.com

hPSMA CAR-GFP-T Cell

一、CAR-T 信息

细胞编号	细胞名称	细胞规格
VGhT-2346-25B4	hPSMA CAR-GFP-T 细胞	1×10^7 细胞

二、细胞介绍

Generation	Second
Receptor Construction	Anti PSMA scFv (J591)-hCD28-hCD3 ζ
Marker	CAR-2A- GFP
Vector Type/Length	Retrovirus / 9 kb
Description of Signaling Cassettes	CD28: CD28 (Cluster of Differentiation 28) is one of the proteins expressed on T cells that provide co-stimulatory signals required for T cell activation and survival. CD28 is the receptor for CD80 (B7.1) and CD86 (B7.2) proteins which are expressed on antigen-presenting cells (APC). CD28 modulates the primary TCR/CD3ζ signal in a different fashion than the late costimulatory elements OX40 and 4-1BB. CD28 enhances the expression of downstream regulators that impact on T-cell proliferation, death, differentiation, and effector functions. CAR⁺ T cells containing the CD28 endodomain showed strikingly enhanced sustained T cell activation, growth, survival. And CD28 results in a brightly expressed, stable receptor as the transmembrane domain. Including CD28 costimulatory



www.vigenbio.com



Technical Support



	domains in CARs led to enhanced anti-malignancy efficacy.	
	CD3ζ: CD3ζ, also known as T-cell receptor zeta, which together with T-cell receptor and CD3γ, δ, ε chain, forms the TCR-CD3 complex. ζ was expressed independently from the complex. The zeta chain plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. CD3-zeta, which contains 3 ITAMs, is the most commonly used endodomain component of CARs. It transmits an activation signal to the T cell after antigen is bound. CD3-zeta may not provide a fully competent activation signal and additional co-stimulatory signaling is needed. For example, chimeric CD28 and OX40 can be used with CD3-zeta to transmit a proliferative/survival signal, or all three can be used together.	
Effector cell type	T cell (human)	
Target	PSMA	
Synonyms	FOLH1; FOLH; FGCP; GCP2; GCPII; mGCP; NAALAD1; PSM	
Target Gene ID	2346	
Targeting Diseases	Chronic lymphocytic leukemia	
三、CAR-T 组分		
组分编号	组分名称	产品规格
VGhT-2346-25B4	hPSMA CAR-GFP-T 细胞	1 × 10 ⁷ 细胞





维根生物科技有限公司

Vigen Biotechnology (Zhenjiang) Co., Ltd

VigenCAR®

Tel: 183 628 99236

E-mail: 253540644@qq.com

VGT-000-0001	nATC 细胞（未转导活化 T 细胞）	1×10^7 细胞
VGA-0013-0100	人 T 细胞完全培养基	100 mL
VGA-0036-0200	重组人 IL-2 溶液（1000 x）	100 μ L

四、细胞质检

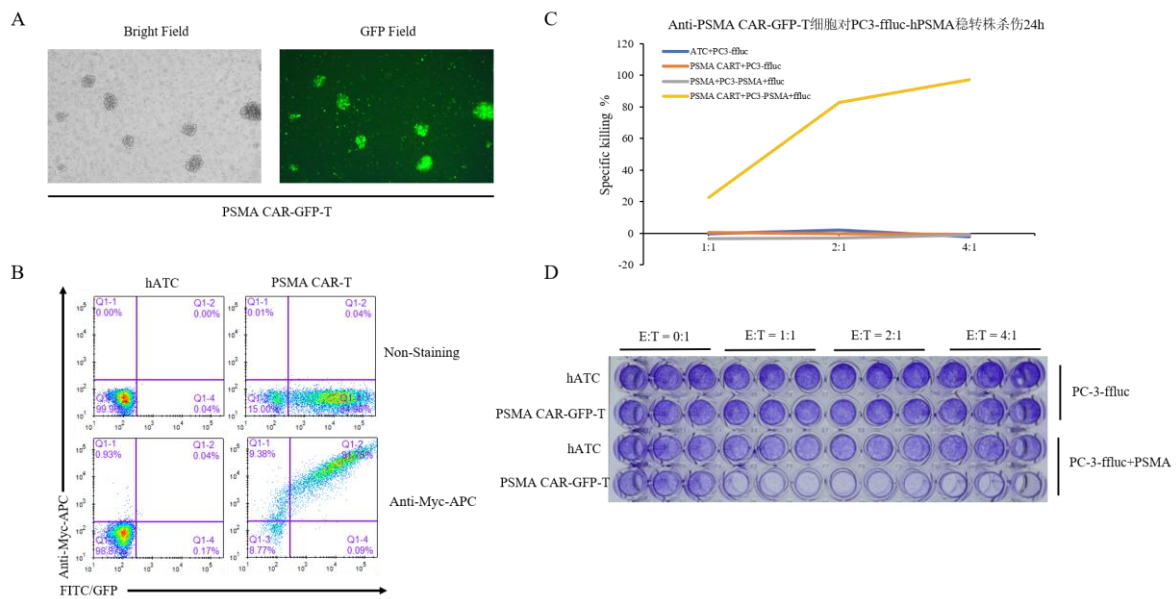


Fig.1 CAR-T 细胞转导率检测

A、荧光显微镜检测 CART 细胞 GFP 表达；B、FACS 检测 CART 细胞的阳性率；C、酶标仪检测 PSMA·CART 细胞对 PSMA 阳性的 PC-3 靶细胞杀伤作用（共培养 24 h）；D、结晶紫染色检测 PSMA·CART 细胞对 PC-3 靶细胞杀伤作用（共培养 24 h）。

说明：

1. 由于 Doner 不同，不同批次 CART 细胞阳性率和增殖能力有差别。实际阳性率以出库质检数据为准。
2. 以上仅为 CAR-T 细胞制备技术服务数据，非细胞售卖。

运输与保存：

干冰运输。收到后如不立即复苏，请立即转入-80℃ 保存或液氮储存。

五、限制性使用许可



www.vigenbio.com



Technical Support



维根生物科技有限公司
Vigen Biotechnology (Zhenjiang) Co., Ltd

VigenCAR®

Tel: 183 628 99236
E-mail: 253540644@qq.com

- 1) 本技术服务仅供购买方单方使用，不得向任何第三方赠送、转让或销售；
- 2) 本技术服务提供的细胞仅供实验室和体外研究使用，不能用于任何临床检验、诊断、治疗，或任何非法用途。

六、相关产品

产品编号	产品名称	产品规格
VGC-0017-021P	PC-3-Puro+PSMA(h) 稳转细胞株	1×10^6 冻存细胞
VGC-0017-021S	PC-3-Puro+PSMA(h) 单克隆细胞株	1×10^6 冻存细胞
VGC-0062-042P	MC38-Puro+PSMA(h) 稳转细胞株	1×10^6 冻存细胞
VGC-0062-042S	MC38-Puro+PSMA(h) 单克隆细胞株	1×10^6 冻存细胞
VGC-0066-028P	4T1-Puro+PSMA(h) 稳转细胞株	1×10^6 冻存细胞
VGC-0066-028S	4T1-Puro+PSMA(h) 单克隆细胞株	1×10^6 冻存细胞
VGC-0051-056P	HEK-293T-Puro+PSMA(h) 稳转细胞株	1×10^6 冻存细胞



www.vigenbio.com



Technical Support