



维根生物科技有限公

Vigen Biotechnology (Zhenjiang) Co., Ltd

VigenCAR®

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hPSMA CAR-T Cell		
一、产品信息		
产品编号	产品名称	产品规格
VGT-2346-25B4	hPSMA CAR-T 细胞	1 × 10 ⁷ 细胞
二、产品介绍		
Generation	Second	
Receptor Construction	Anti PSMA scFv (J591)-hCD28-hCD3ζ	
Marker	CAR	
Vector Type/Length	Retrovirus / 9 kb	
Description of Signaling Cassettes	<p>CD28:</p> <p>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 domains in CARs led to enhanced anti-malignancy efficacy.</p>	



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	<p>CD3ζ:</p> <p>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.</p>	
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、产品组分		
组分编号	组分名称	产品规格
VGT-930-C102	hPSMA CAR-T 细胞	1 × 10 ⁷ 细胞
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
<p>运输与保存:</p> <p>干冰运输。收到后如不立即复苏, 请立即转入-80°C 保存或液氮储存。</p>		



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