

hCD19/hCD3E

品系全名	C57BL/6Smoc- <i>Cd19</i> ^{em1(hCD19)} <i>Cd3e</i> ^{em1(hCD3E)/Smoc}
目录号	NM-HU-190027
品系状态	胚胎冻存

基因信息

基因名 CD19	基因曾用名	AW495831
	NCBI ID	12478
	MGI ID	88319
	Ensembl ID	ENSMUSG00000030724
	人类同源基因	CD19
基因名 CD3E	基因曾用名	CD3; T3e; AI504783; CD3epsilon
	NCBI ID	12501
	MGI ID	88332
	Ensembl ID	ENSMUSG00000032093
	人类同源基因	CD3E

品系描述

通过将hCD19和hCD3E小鼠交配获得该CD19和CD3E双入源化小鼠模型。双重入源化小鼠模型可用于评估潜在免疫治疗药物组合的功效。

应用领域：免疫治疗；肿瘤研究；药物筛选

*使用本品系发表的文献需注明: hCD19/hCD3E mice (Cat. NO. NM-HU-190027) were purchased from Shanghai Model Organisms Center, Inc..

验证数据

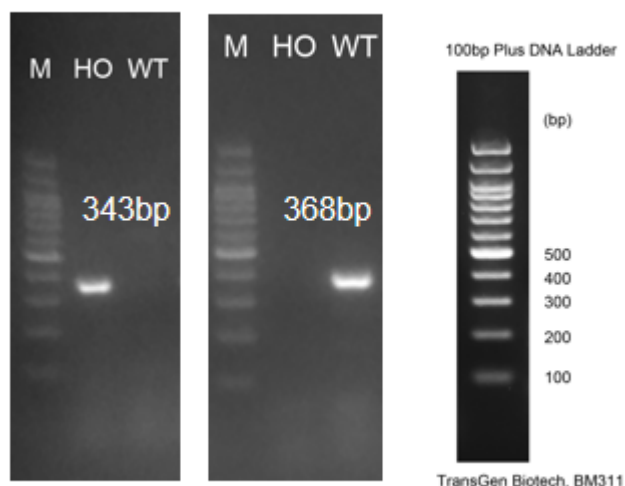


Fig1. Detection of CD19 expression in spleen by RT-PCR. Wild type: only one band at 368 bp with primers F1/R1(mCd19); Homoygous: only one band at 334 bp with primers F2/R2(hCD19); Abbr.. M, DNA marker; HO, homozygous; HE, heterozygous; WT, wild type.

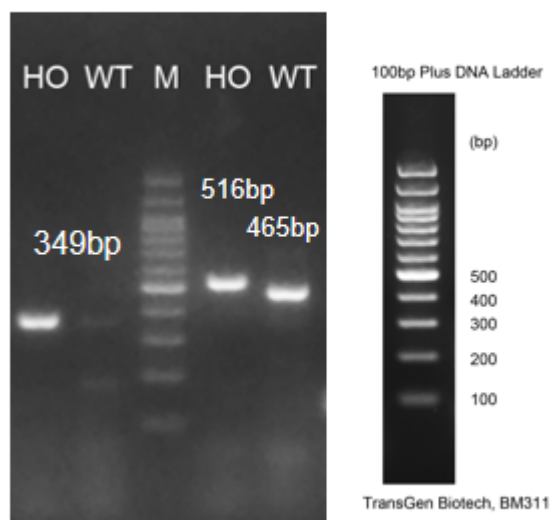


Fig2. Detection of CD3E expression in spleen by RT-PCR. Wild type: only one band at 465 bp with primers F1/R1(mCd3e); Homoygous: one band at 516 bp with primers F1/R1(recombinant hCD3E) and one band at 349 bp with primers F2/R2(hCD3E); Abbr.. M, DNA marker; HO, homozygous; HE, heterozygous; WT, wild type.

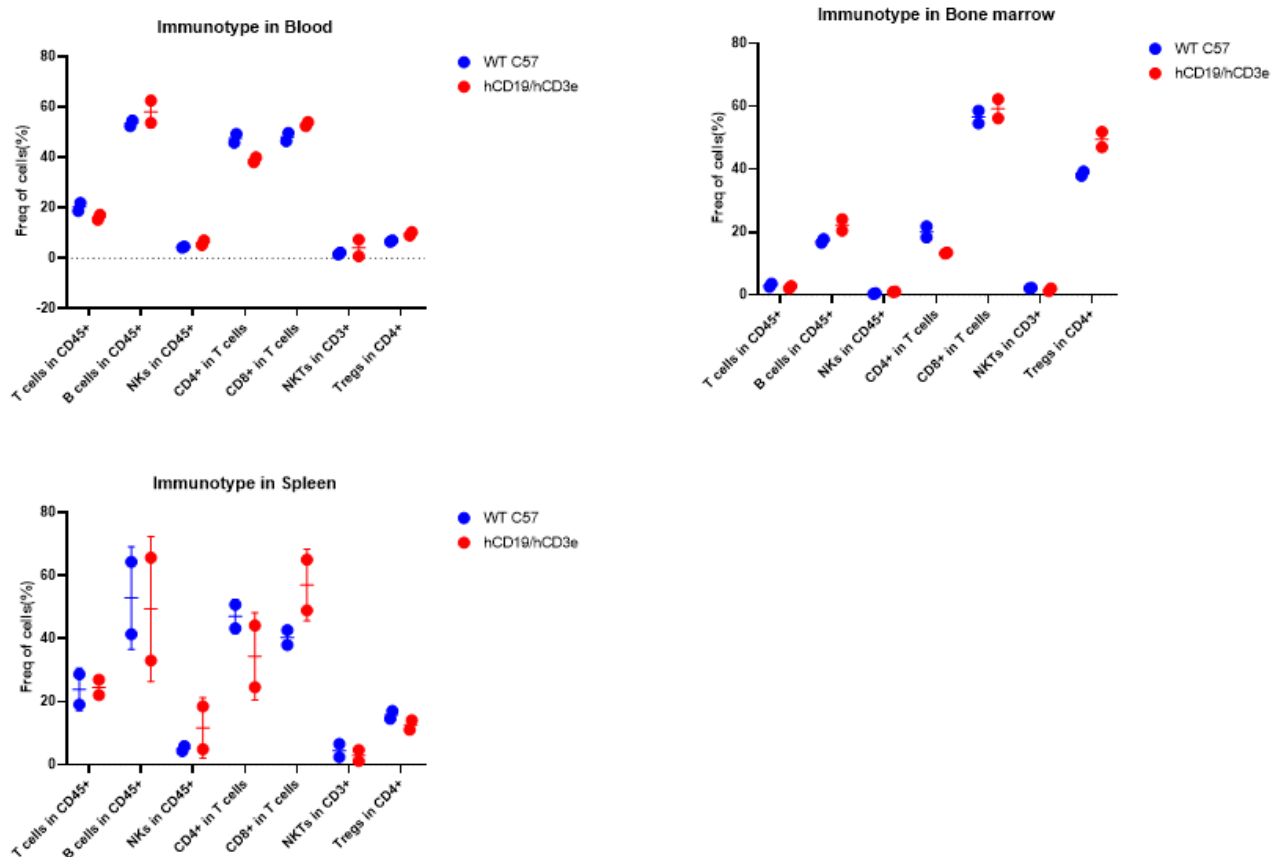


Fig3. Immunotype in blood in hCD19/hCD3E mice

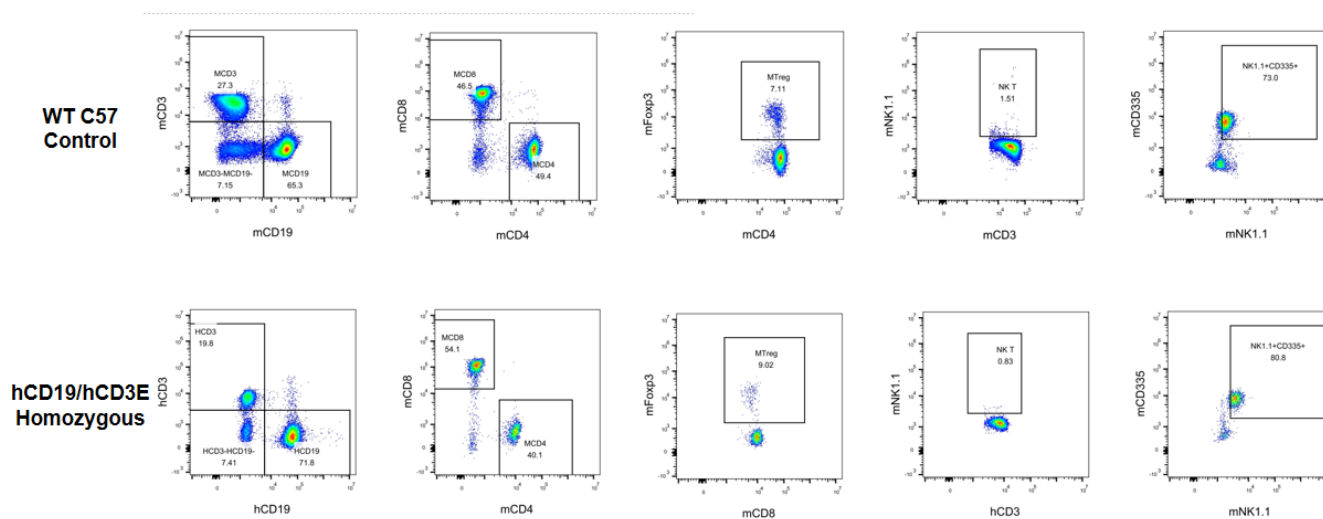


Fig4. Immunotype in blood in hCD19/hCD3E mice

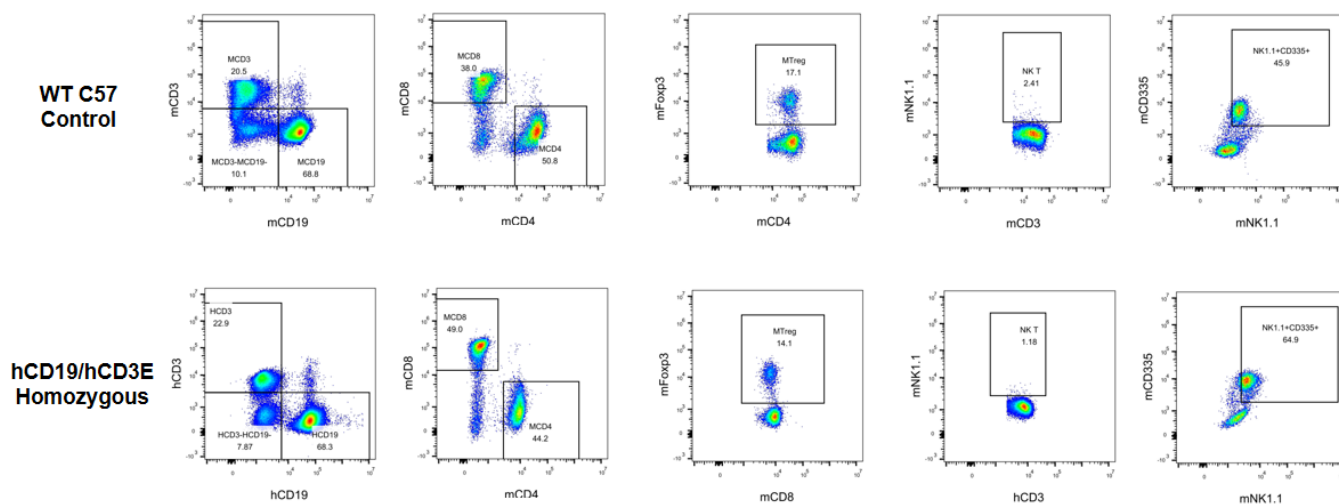


Fig5. Immunotype in spleen in hCD19/hCD3E mice

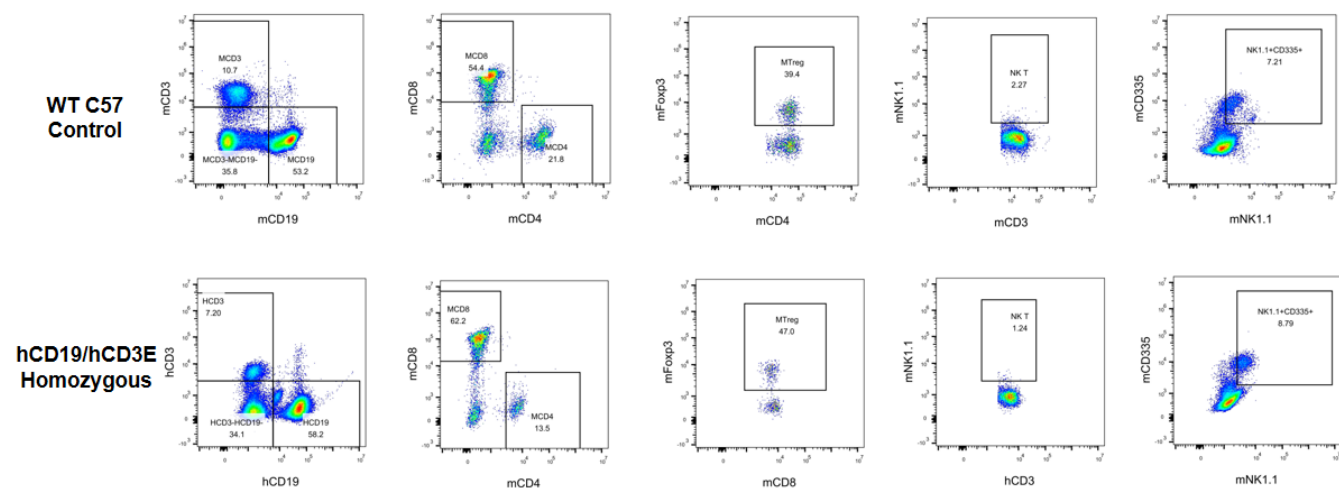


Fig6. Immunotype in bone marrow in hCD19/hCD3E mice