

NVG-hIL15

品系全名	NOD.Cg- <i>Prkdc</i> ^{scid} <i>Il2rg</i> ^{em1Smoc} <i>Il15</i> ^{em1(hIL15)Smoc}
目录号	GM-NVG-210001
品系状态	活体

基因信息

基因名 IL15	基因曾用名	IL-15; AI503618
	NCBI ID	16168
	MGI ID	103014
	Ensembl ID	ENSMUSG000000031712
	基因标记细胞类型举例	骨嗜酸性粒细胞
	人类同源基因	IL15
	人类同源基因关联疾病	乳糜泻、子宫内膜异位症、自闭症

品系描述

通过同源重组，将小鼠IL15基因进行人源化修饰。

应用领域：肿瘤研究，免疫治疗；药物筛选

*使用本品系发表的文献需注明: NVG-hIL15 mice (Cat. NO. GM-NVG-210001) were purchased from Shanghai Model Organisms Center, Inc..

验证数据

Human IL15 expression analysis

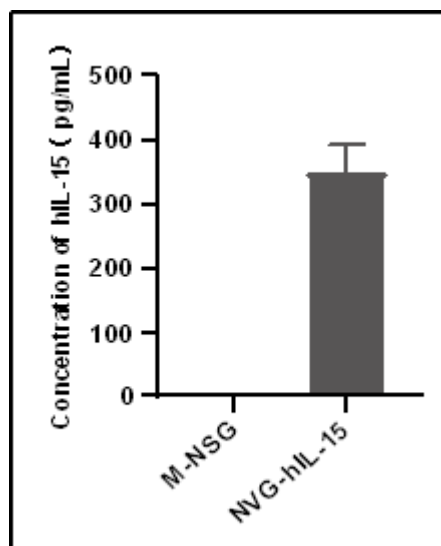


Fig 1. Human IL15 expression analysis in homozygous NVG-hIL15 mice by ELISA.

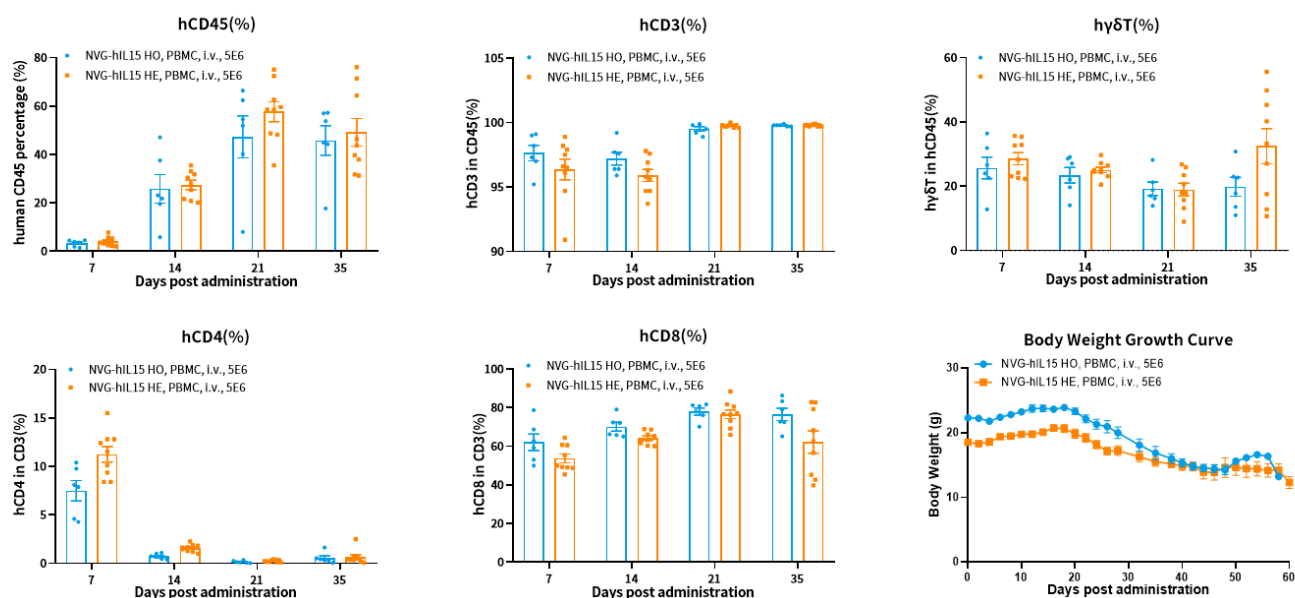


Fig 2. Humanized immune reconstitution levels and body weight growth curves in huPBMC-NVG-hIL15 mice.

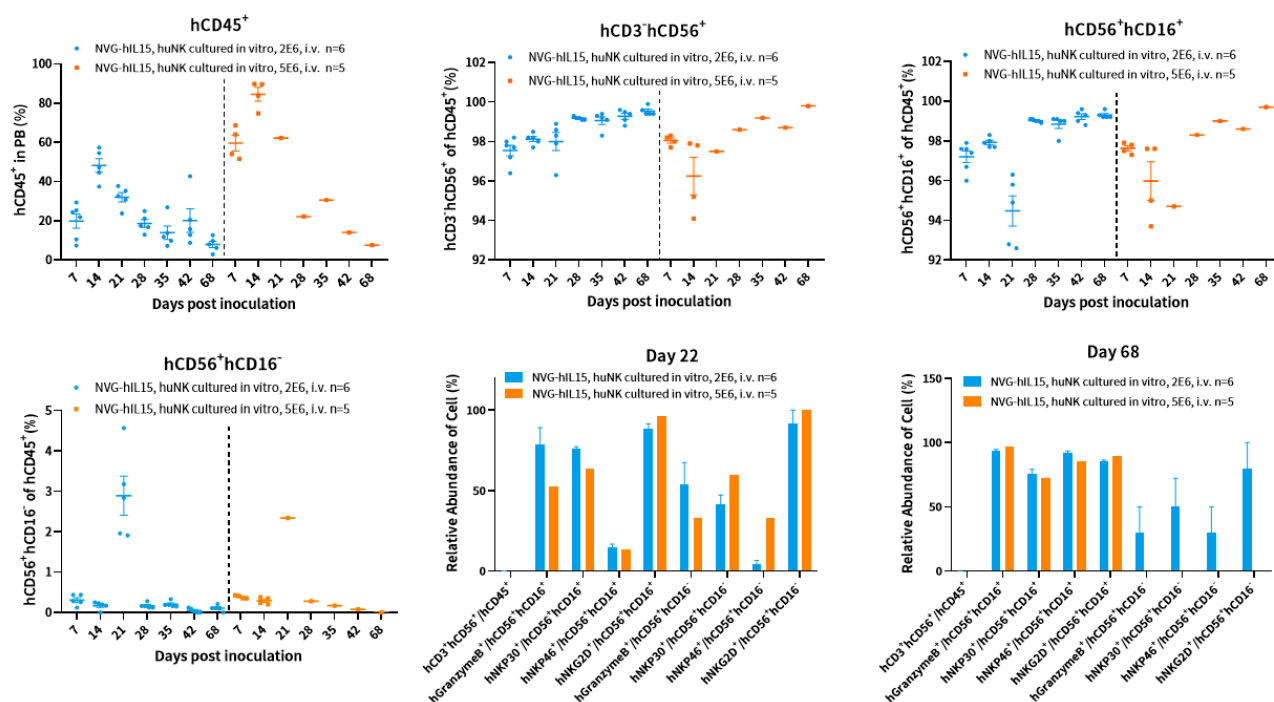


Fig 3. Humanized immune reconstitution levels and body weight growth curves in huPBNK-NVG-hIL15 mice.

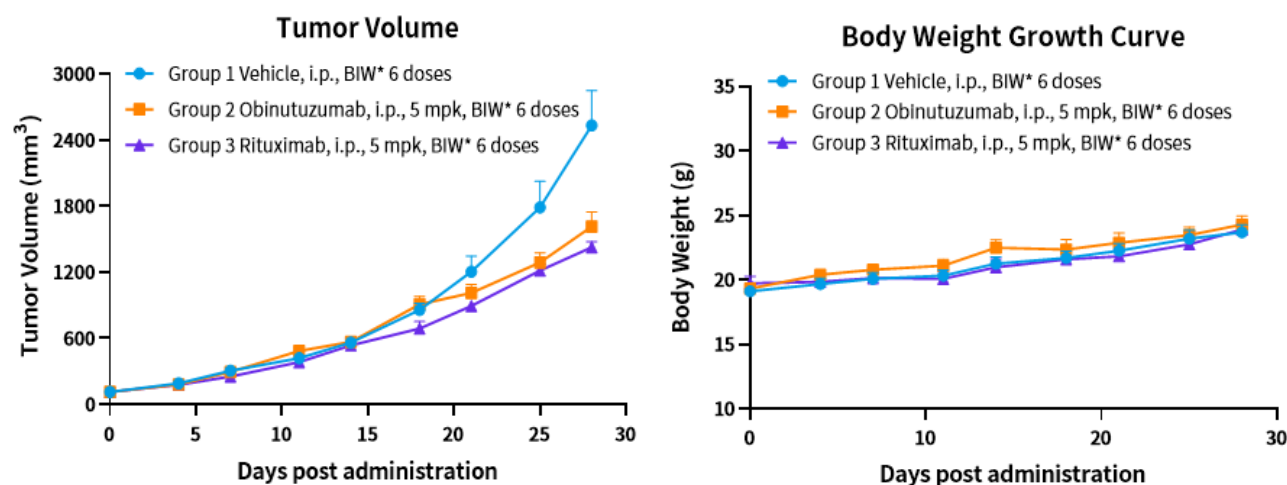


Fig 4. Efficacy evaluation of CD20-targeting antibody using Raji huPBNK model.

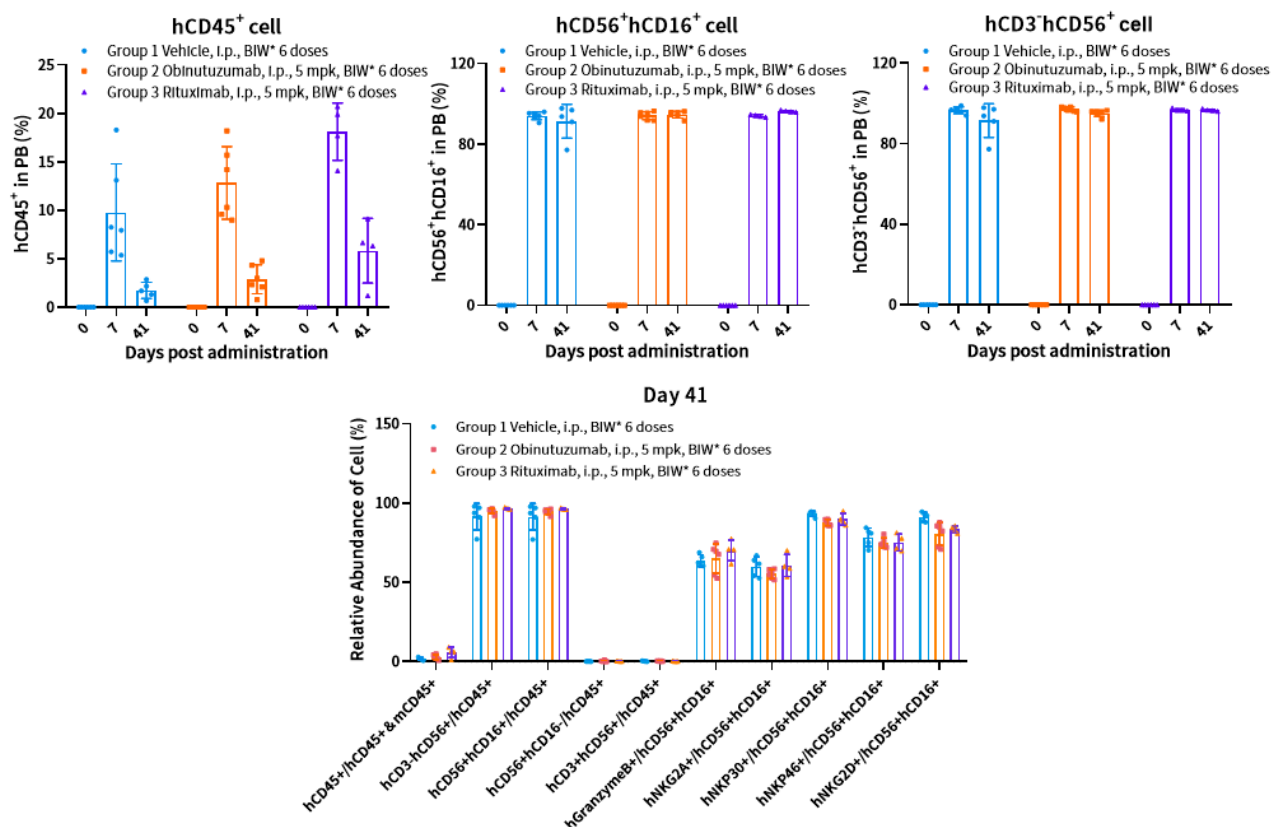


Fig 5. Functional protein detection in NK cells in the presence of anti-hCD20 antibody drug using Raji huPBNK model.

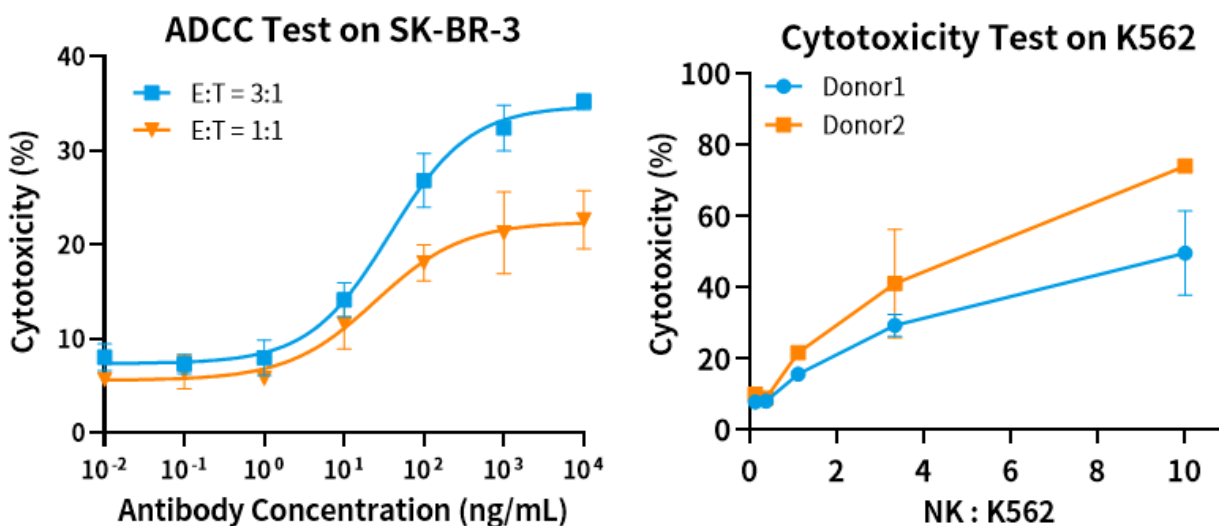


Fig 6. ADCC efficacy research in vitro using huPBNK model.

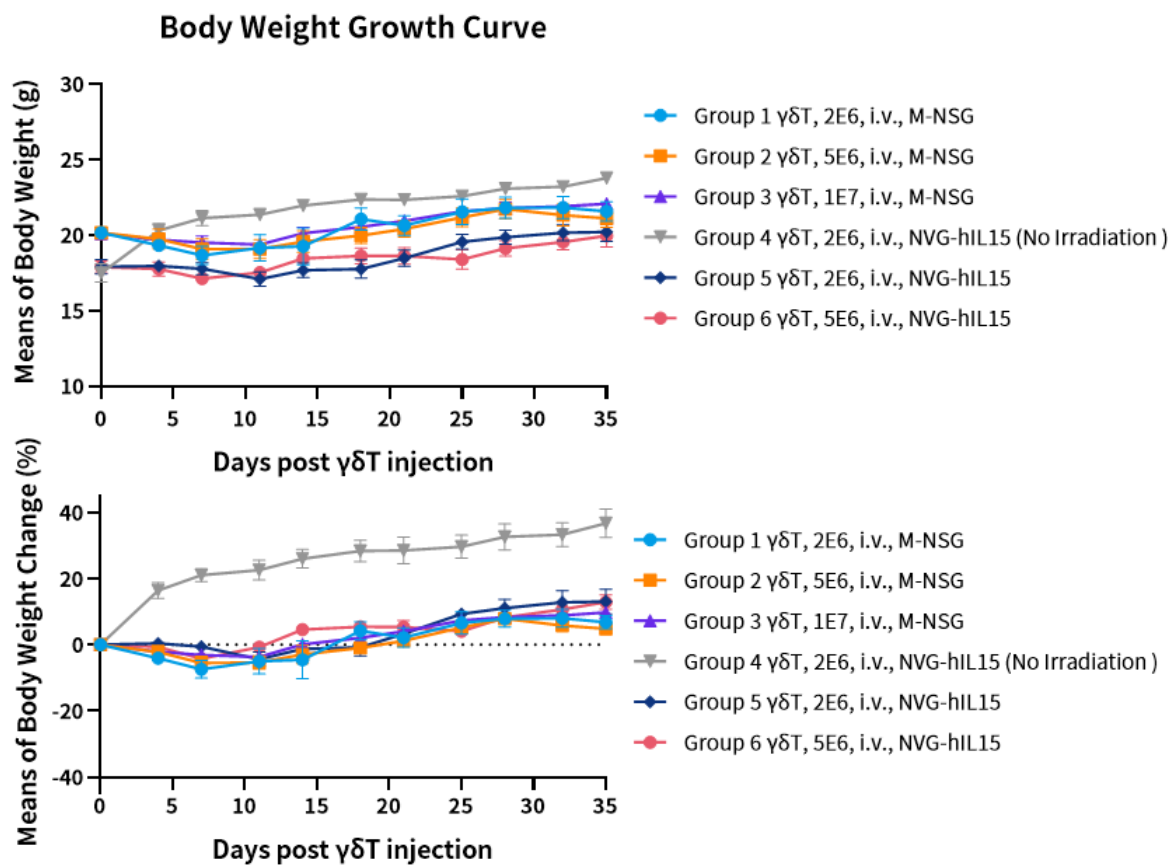


Fig 7. Body weight growth curves in $\gamma\delta$ T-NVG-hIL15 mice.

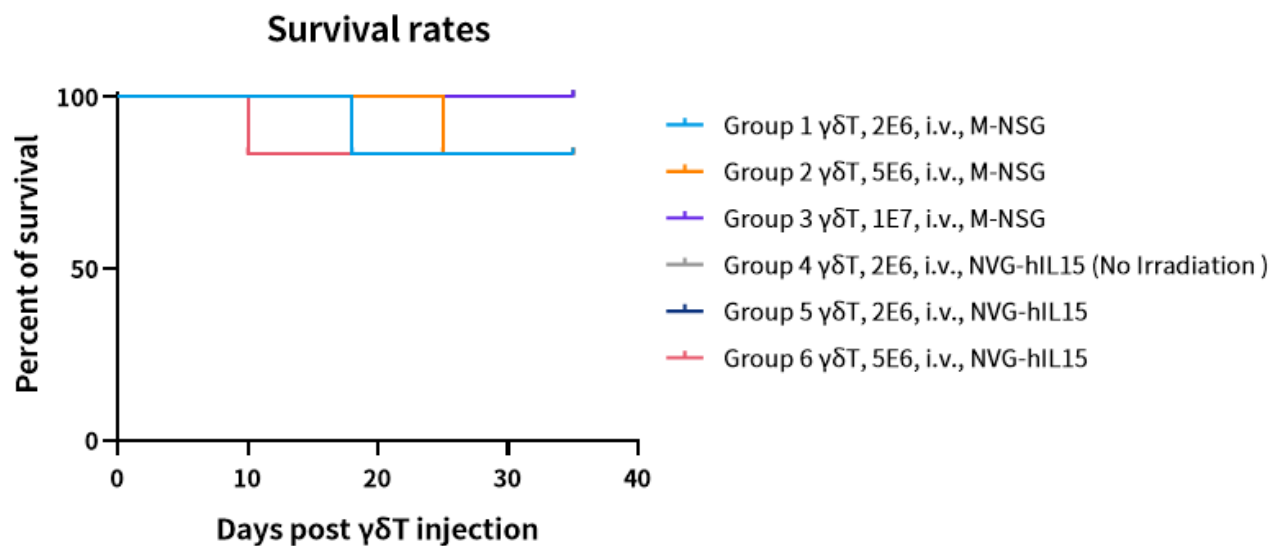


Fig 8. Survival rates in $\gamma\delta$ T-NVG-hIL15 mice.

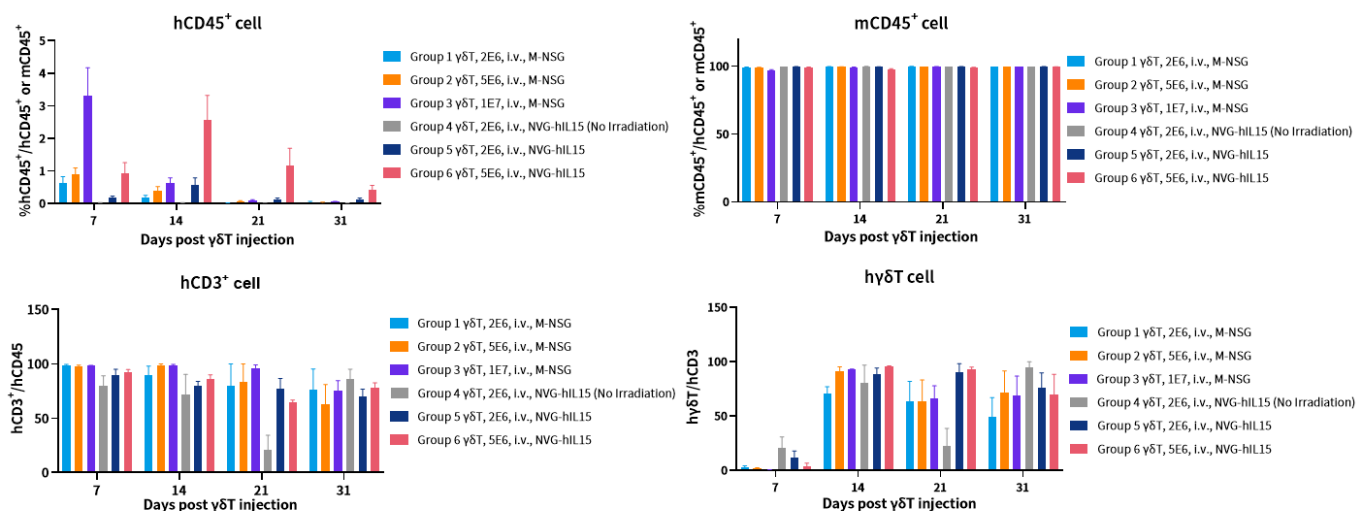


Fig 9. Humanized immune reconstitution levels in γδT-NVG-hIL15 mice.