NVG-hIL15

Nomenclature	NOD.Cg-*Prkdc*^{scid} *Il2rg*^{em1Smoc} *Il15*$^{em1(hIL15)Smoc}$
Cat. NO.	GM-NVG-210001
Strain State	Repository Live

Gene Summary

Gene Symbol **Il15**	**Synonyms**	IL-15; AI503618
	NCBI ID	16168
	MGI ID	103014
	Ensembl ID	ENSMUSG00000031712
	Human Ortholog	IL15

Model Description

The endogenous mice Il15 gene was replaced by human IL15 gene.

Research Application: Immunotherapy,cancer research,drug screening
*Literature published using this strain should indicate: NVG-hIL15 mice (Cat. NO. GM-NVG-210001) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

Human IL15 expression analysis

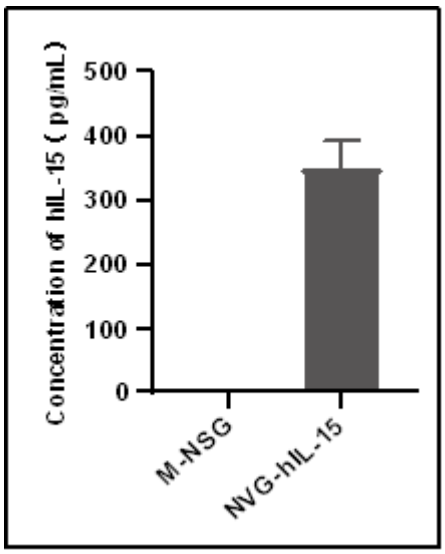

Fig 1. Human IL15 expression analysis in homozygous NVG-hIL15 mice by ELISA.

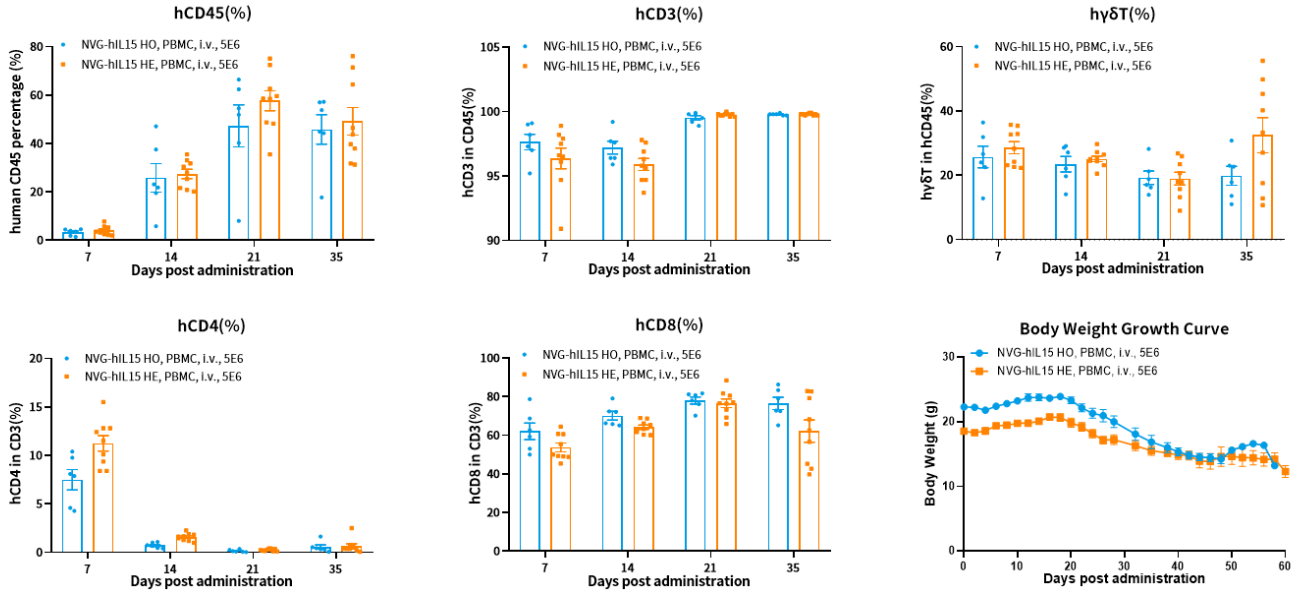

Fig 2. Humanized immune reconstitution levels and body weight growth curves in huPBMC-NVG-hIL15 mice.

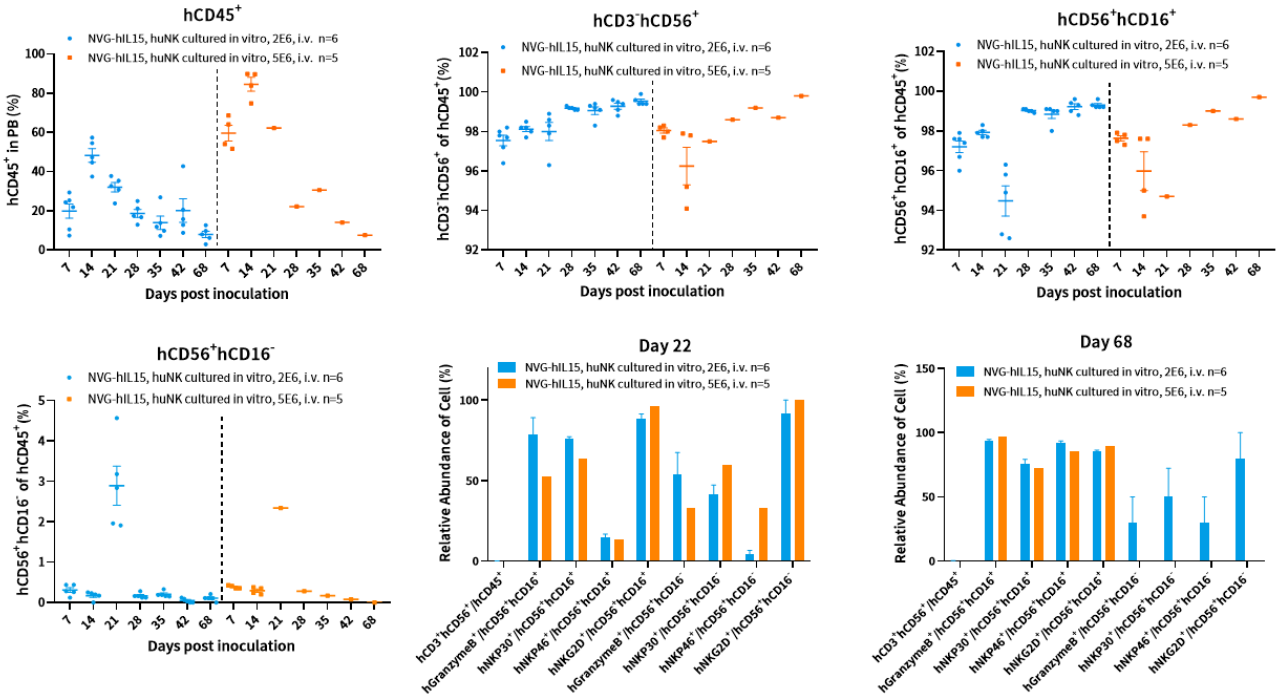

Fig 3. Humanized immune reconstitution levels and body weight growth curves in huPBNK-NVG-hIL15 mice.

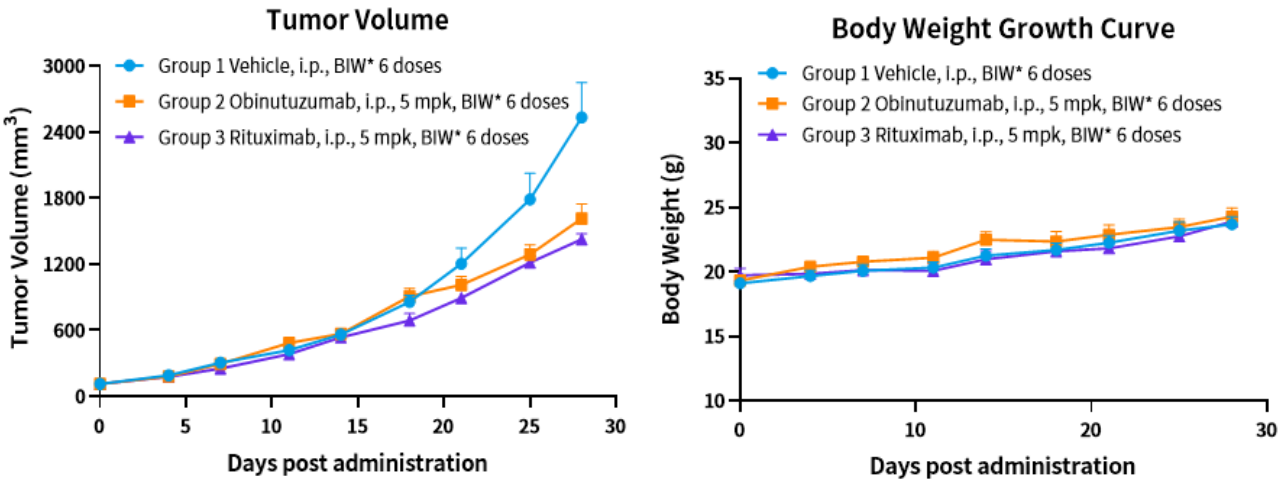

Fig 4. Efficacy evaluation of CD20-targeting antibody using Raji huPBNK model.

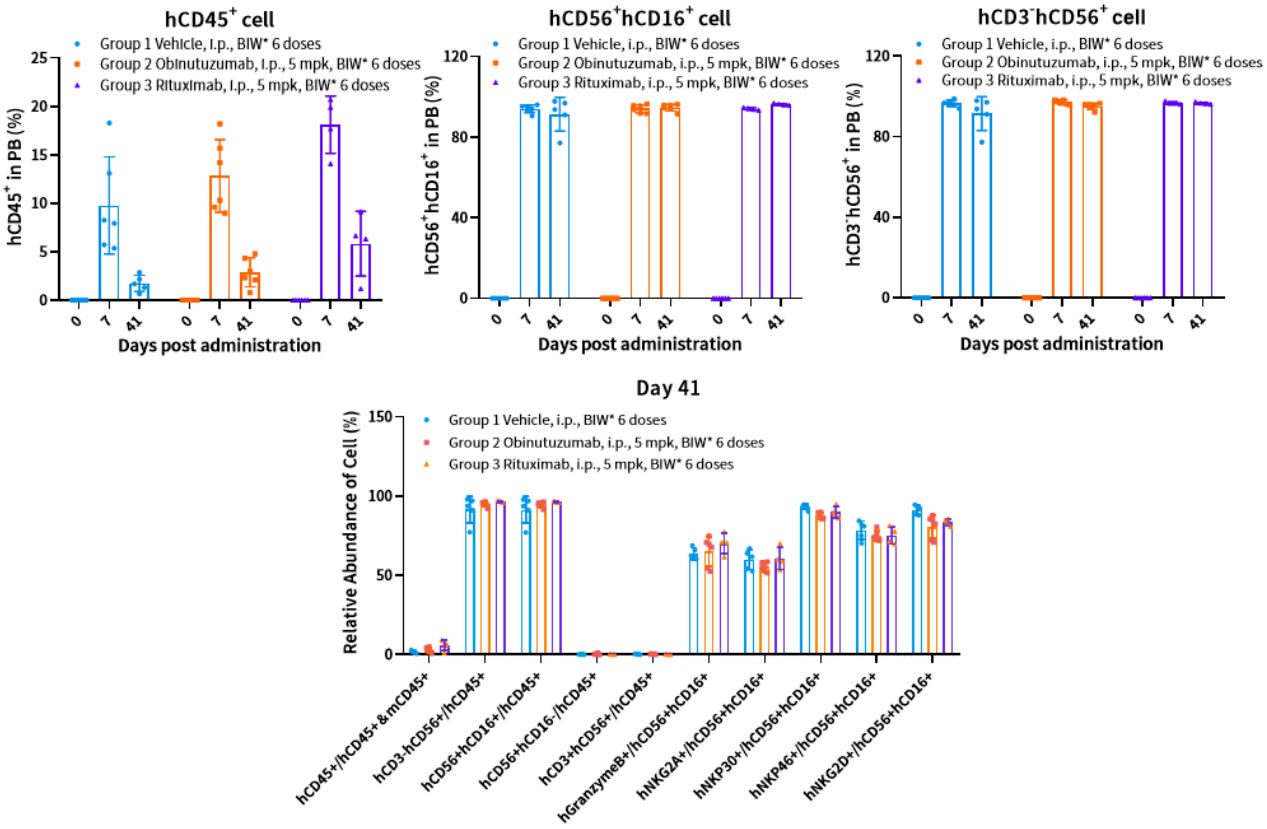

Fig 5. Functional protein detection in NK cells in the presence of anti-hCD20 antibody drug using Raji huPBNK model.

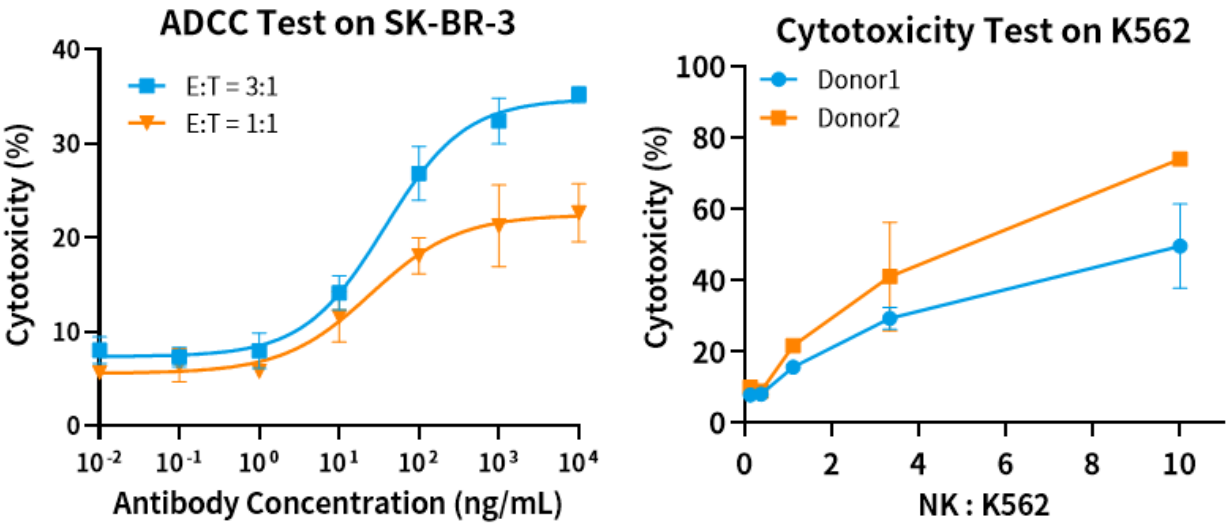

Fig 6. ADCC efficacy research in vitro using huPBNK model.

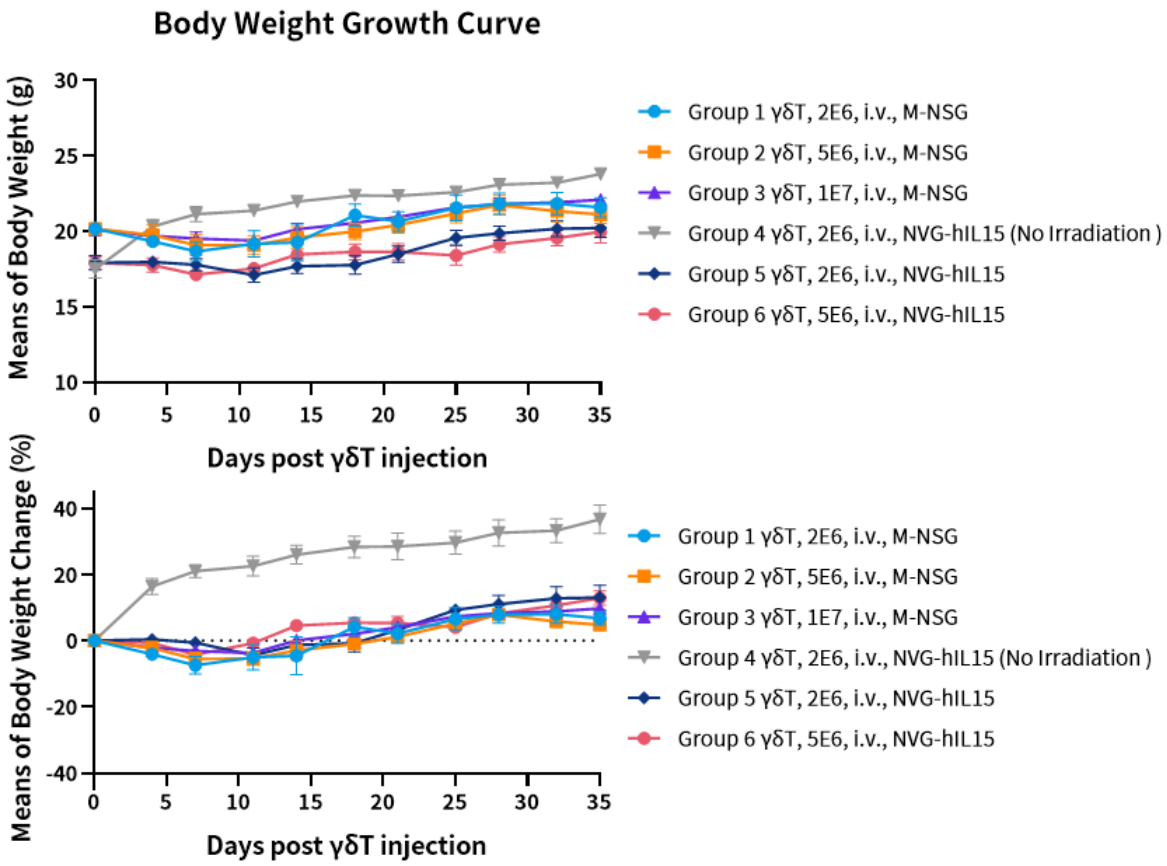

Fig 7. Body weight growth curves in γδT-NVG-hIL15 mice.

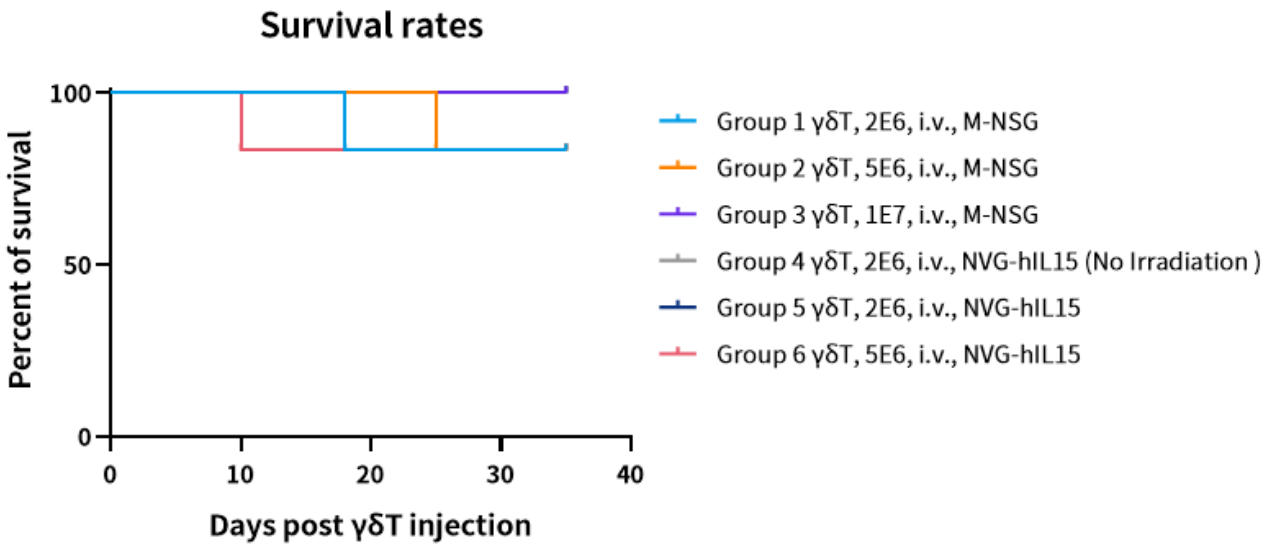

Fig 8. Survial rates in γδT-NVG-hIL15 mice.

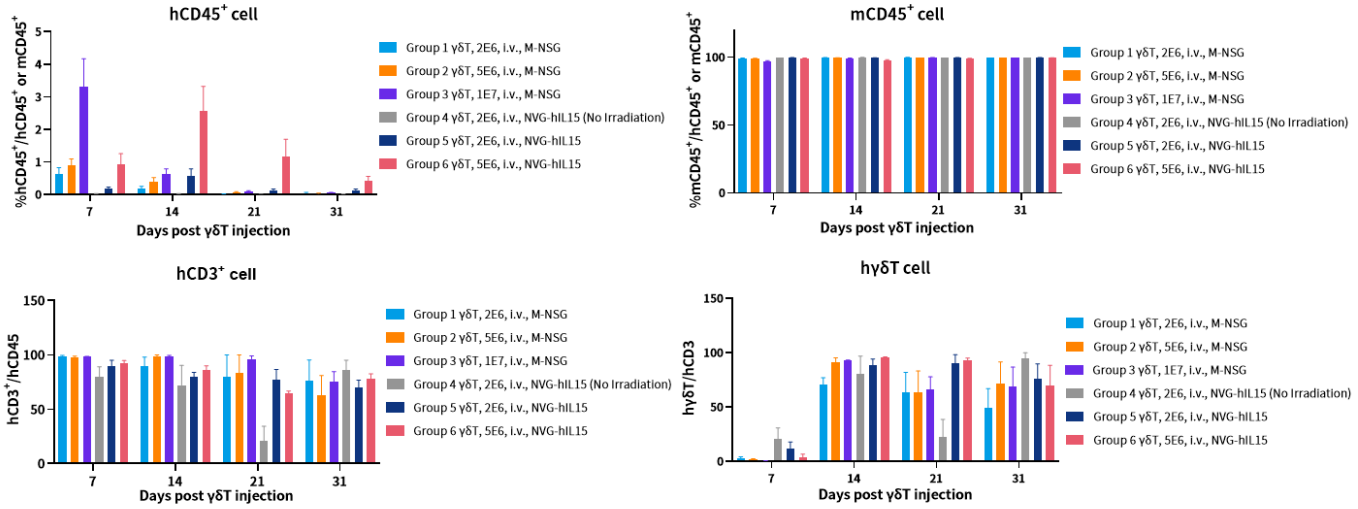

Fig 9. Humanized immune reconstitution levels in γδT-NVG-hIL15 mice.