

hIL4-Tg(NMG)

Nomenclature	NOD- <i>Prkdc</i> ^{scid} <i>Il2rg</i> ^{em1} <i>Tg(hIL4)Smoc</i>
Cat. NO.	NM-KI-215004
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol IL4	Synonyms	Il-4, BSF-1
	NCBI ID	16189
	MGI ID	96556
	Ensembl ID	ENSMUSG000000000869
	Human Ortholog	IL4

Model Description

These transgenic mice carry humanized IL4.

*Literature published using this strain should indicate: hIL4-Tg(NMG) mice (Cat. NO. NM-KI-215004) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

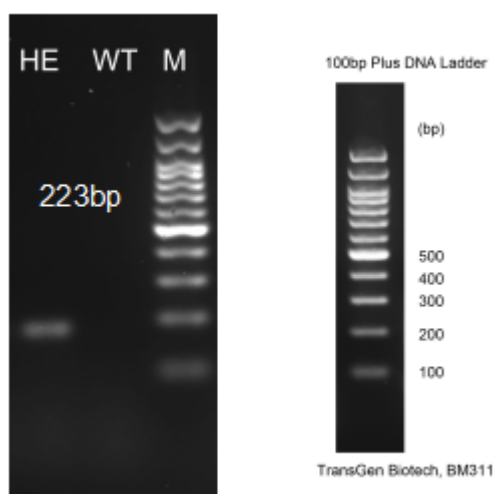


Fig1. Detection of hIL4 expression by RT-PCR.

Heterozygous: one band at 223 bp with primers F1/R1(hIL4);

Abbr. M, DNA marker; HO, homozygous; HE, heterozygous; WT, wild type.

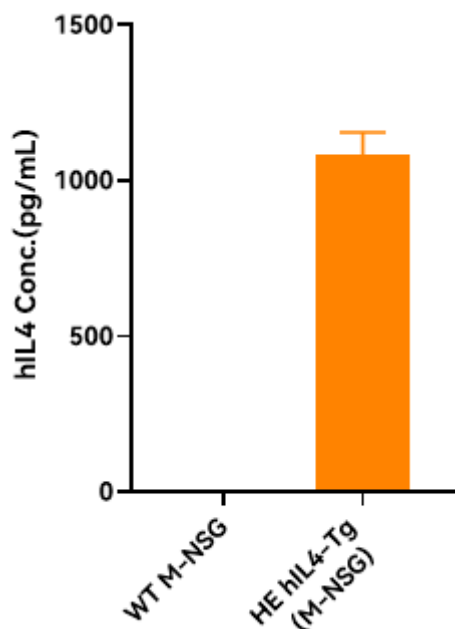


Fig 2. Detection of hIL4 expression in serum by ELISA.

Abbr. HO, homozygous; HE, heterozygous; WT, wild type..

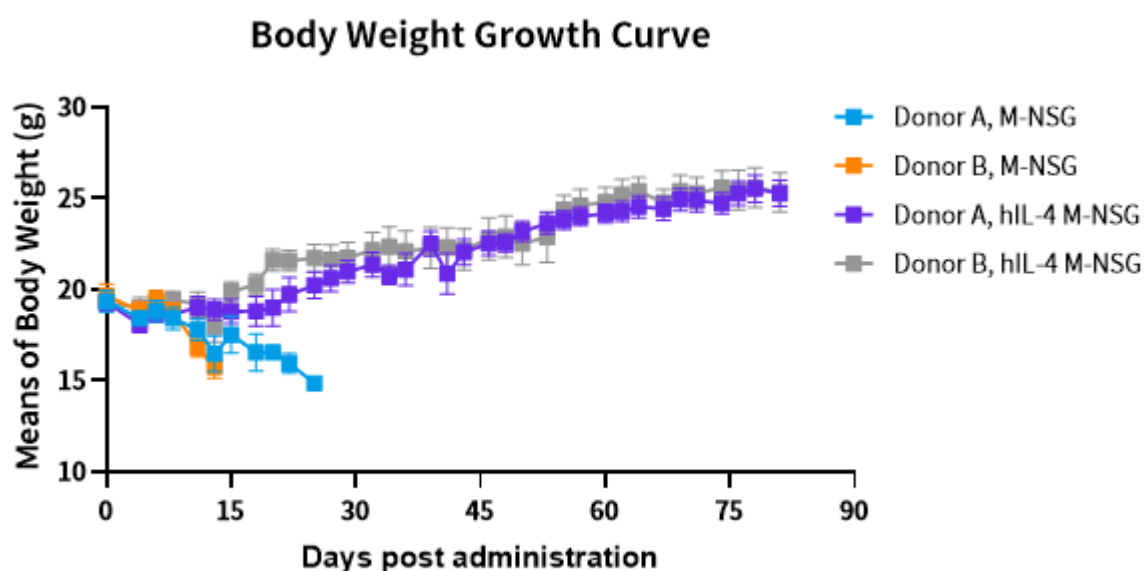


Fig 3. Body weight growth curve of huPBMC-M-NSG-hIL4 mice.

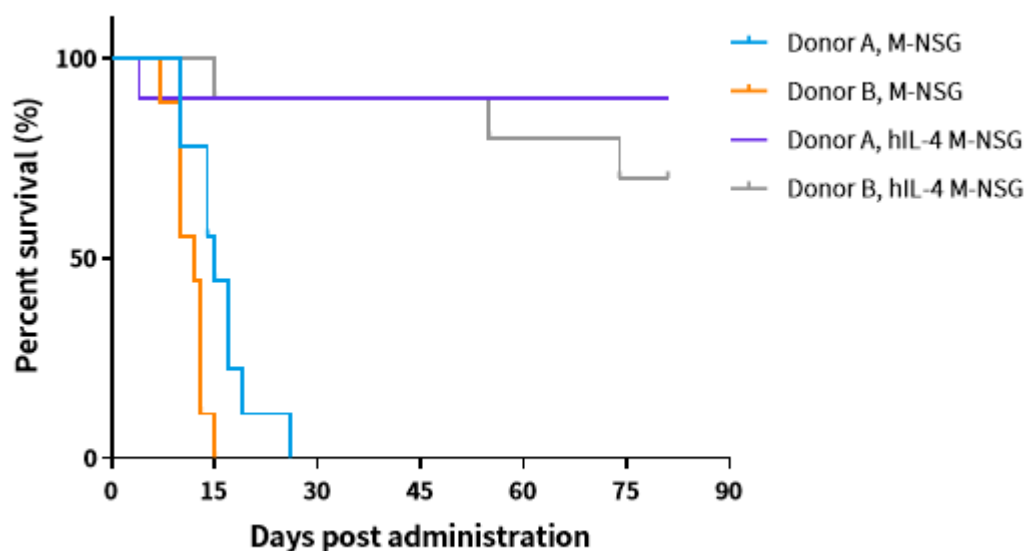


Fig 4. Survival rate of huPBM-M-NSG-hIL4 mice.

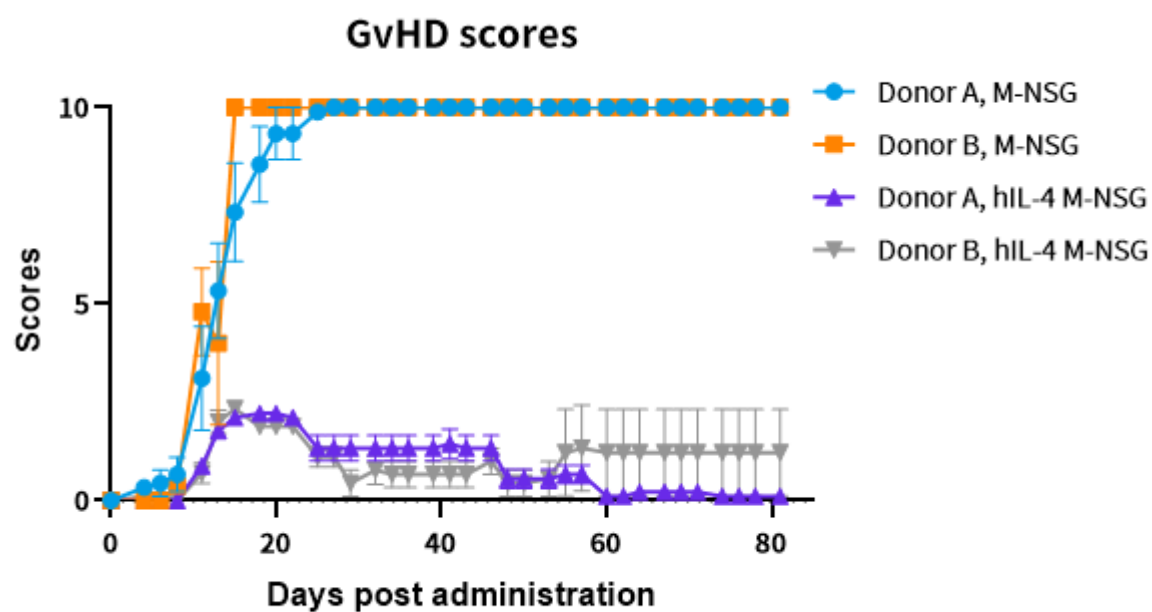


Fig 5. GvHD scores of huPBM-M-NSG-hIL4 mice.

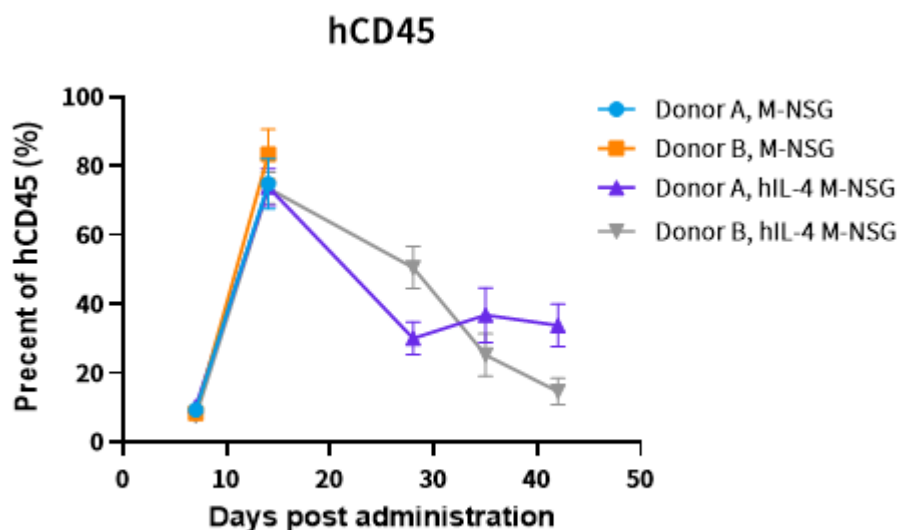


Fig 6. Percentage of hCD45-positive cells in peripheral blood of huPBMC-M-NSG-hIL4 mice.

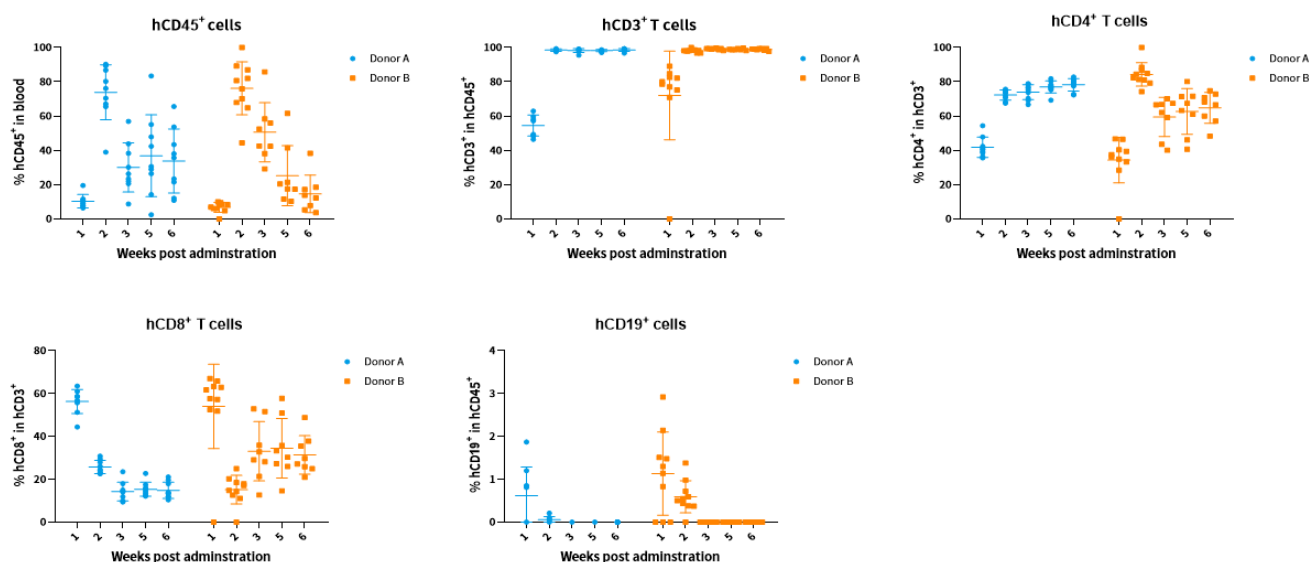


Fig 7. Flow analysis of peripheral blood lymphocyte subpopulations in the huPBMC-M-NSG-hIL4 model. Human PBMCs ($1E7$) were injected intravenously into hIL4-Tg(M-NSG) mice (female, 6-8 weeks old, $n=10$). Blood from mice at different time points after implantation of human PBMCs was taken for flow cytometric analysis.