

# hIL4-Tg(NMG)

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

## Gene Summary

<b>Gene Symbol</b> IL4	<b>Synonyms</b>	Il-4, BSF-1
	<b>NCBI ID</b>	<a href="#">16189</a>
	<b>MGI ID</b>	<a href="#">96556</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000000869</a>
	<b>Human Ortholog</b>	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

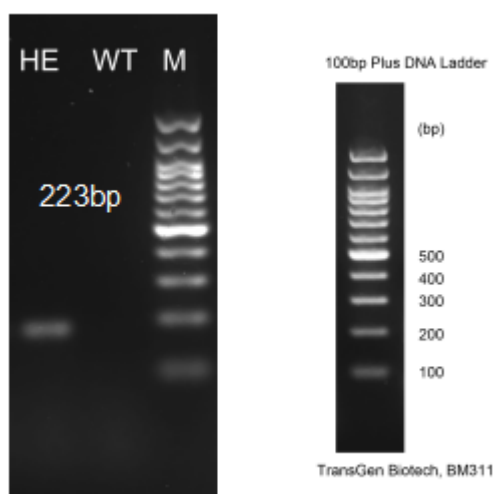


Fig1. Detection of hIL4 expression by RT-PCR.

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

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

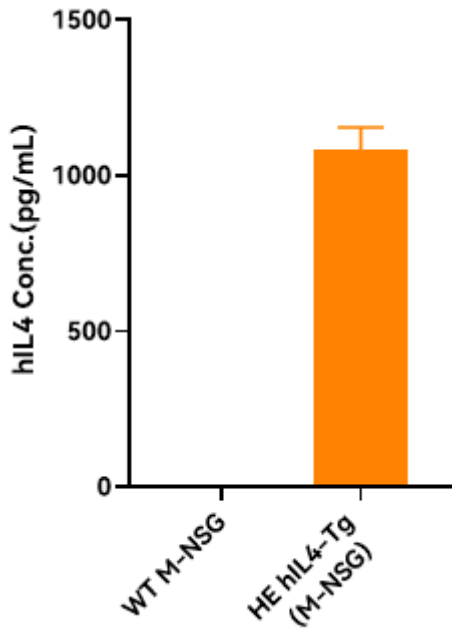


Fig 2. Detection of hIL4 expression in serum by ELISA.

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

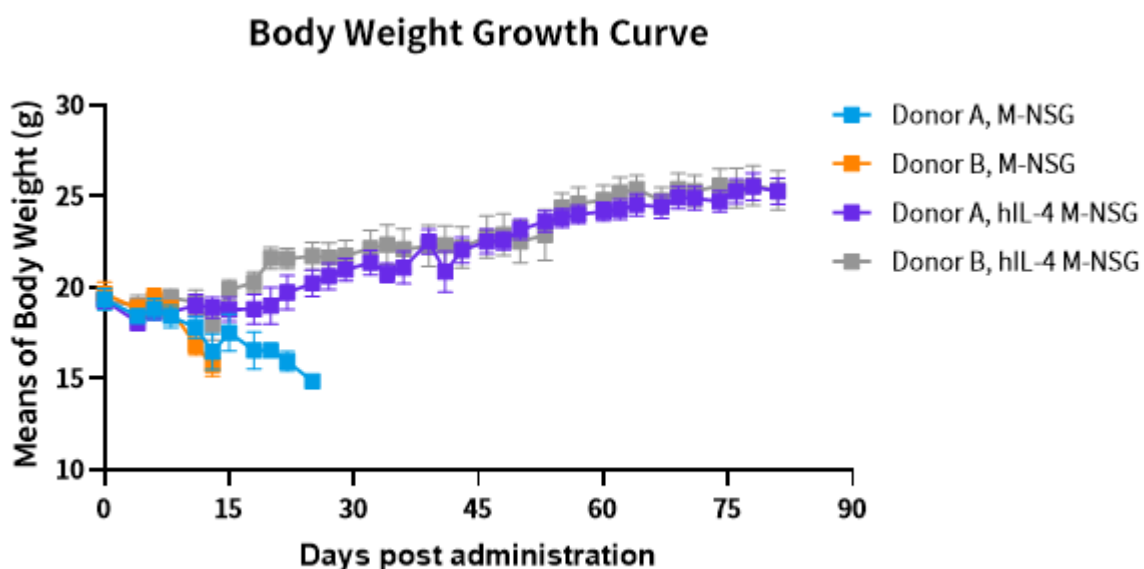


Fig 3. Body weight growth curve of huPBMC-M-NSG-hIL4 mice.

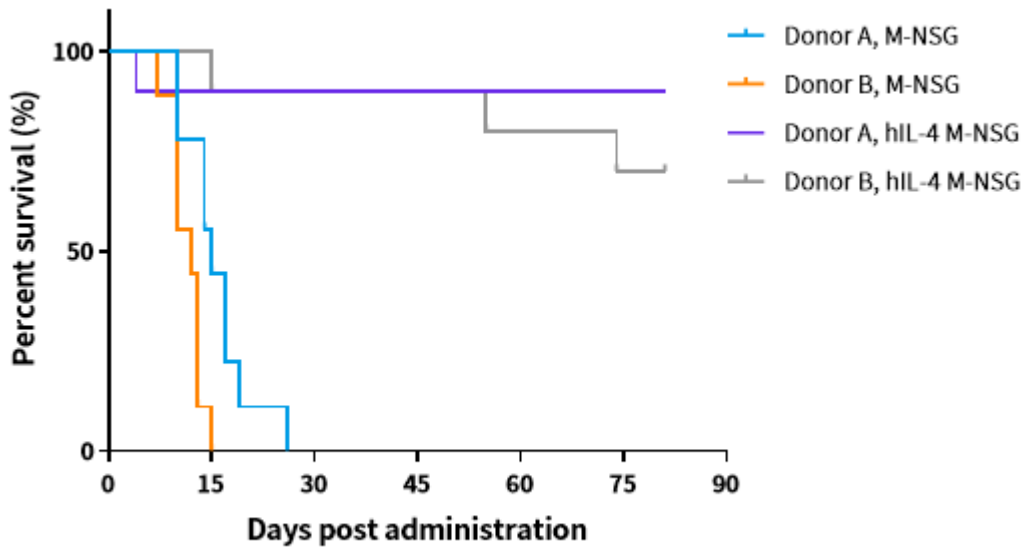


Fig 4. Survival rate of huPBMC-M-NSG-hIL4 mice.

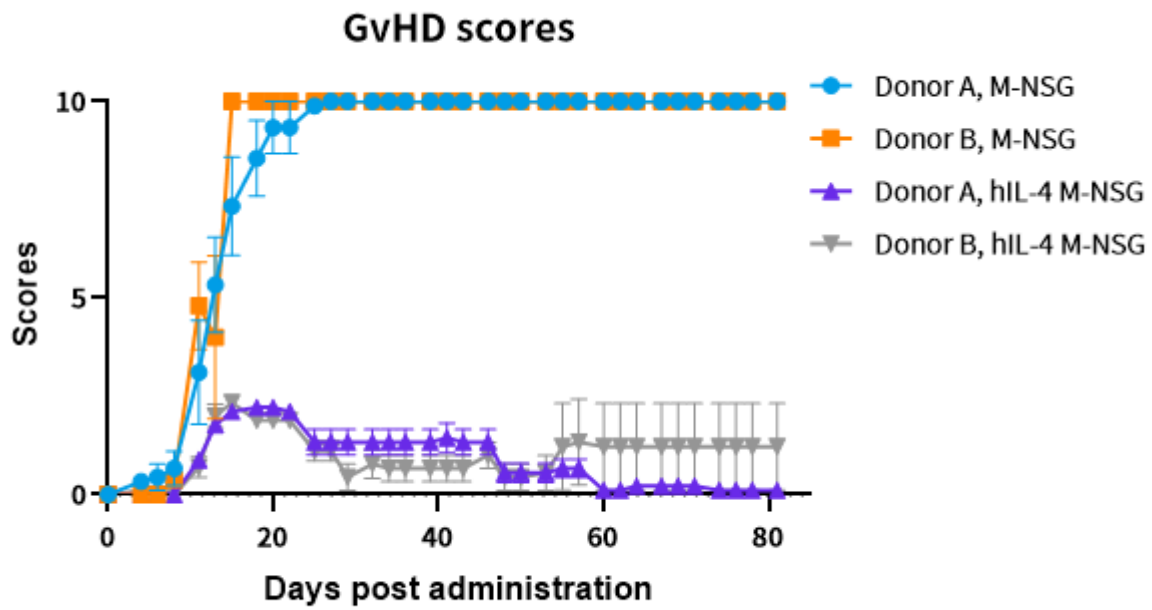


Fig 5. GvHD scores of huPBMC-M-NSG-hIL4 mice.

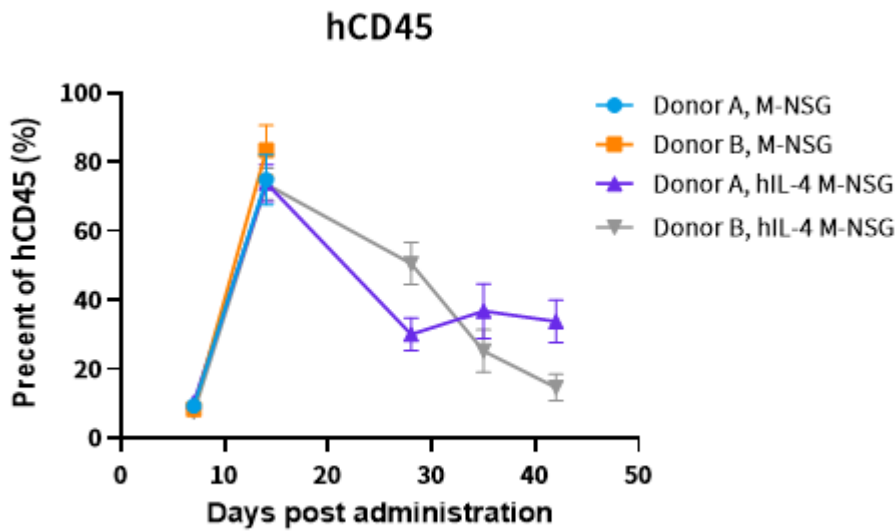


Fig 6. Percentage of hCD45-positive cells in peripheral blood of huPBMC-M-NSG-hIL4 mice.

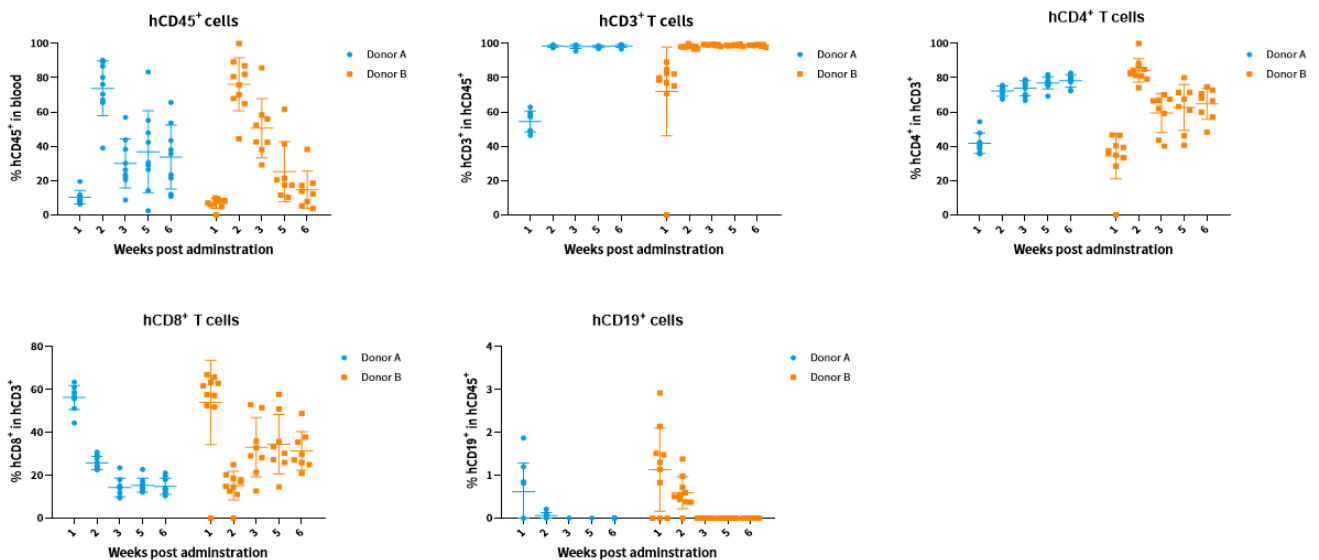


Fig 7. Flow analysis of peripheral blood lymphocyte subpopulations in the huPBMC-M-NSG-hIL4 model. Human PBMCs ( $1E7$ ) were injected intravenously into hIL4-Tg(M-NSG) mice (female, 6-8 weeks old,  $n=10$ ). Blood from mice at different time points after implantation of human PBMCs was taken for flow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