

hIL4-Tg(M-NSG)

品系全名	NOD.Cg- <i>Prkdc</i> ^{scid} <i>Il2rg</i> ^{em1} <i>Tg(hIL4)Smoc</i>
目录号	NM-KI-215004
品系状态	胚胎冻存

基因信息

基因名 IL4	基因曾用名	Il-4; BSF-1
	NCBI ID	16189
	MGI ID	96556
	Ensembl ID	ENSMUSG00000000869
	人类同源基因	IL4
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品系描述

利用转基因技术将人源IL4基因表达框整合到小鼠基因组中，从而表达人源IL4。

*使用本品系发表的文献需注明: hIL4-Tg(M-NSG) mice (Cat. NO. NM-KI-215004) were purchased from Shanghai Model Organisms Center, Inc..

验证数据

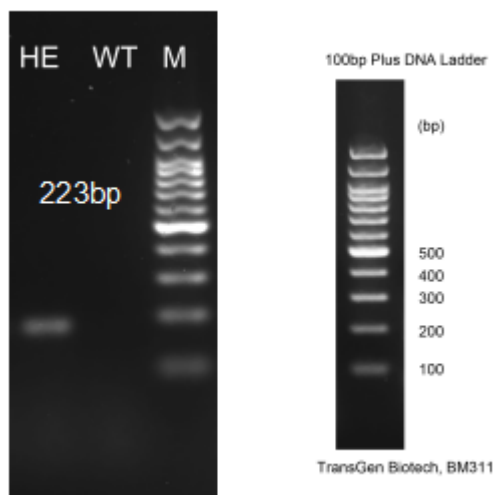


Fig1. Detection of hIL4 expression by RT-PCR.

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

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

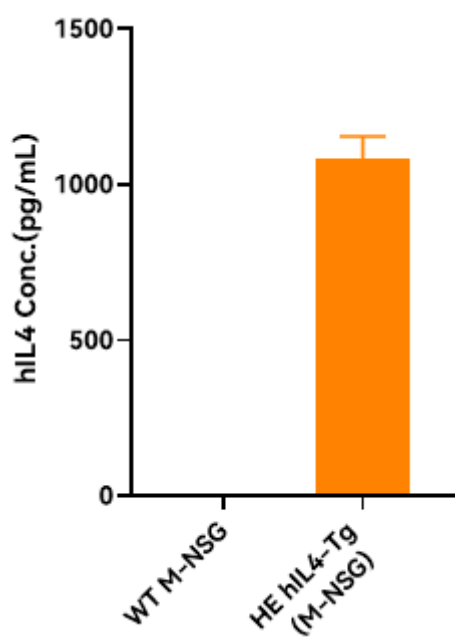


Fig 2. Detection of hIL4 expression in serum by ELISA.

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

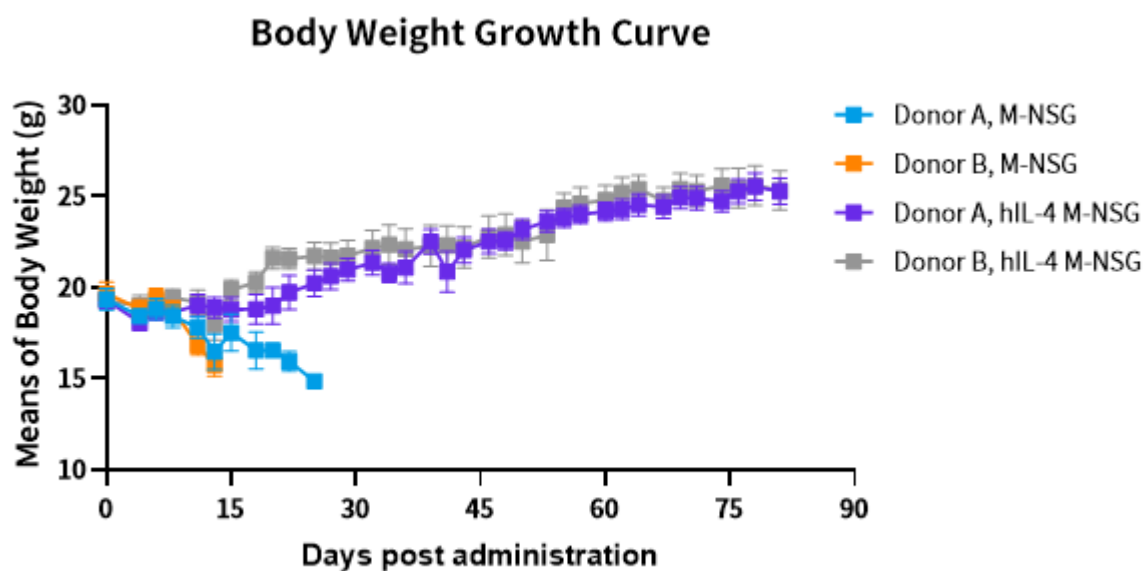


Fig 3. Body weight growth curve of huPBMC-M-NSG-hIL4 mice.

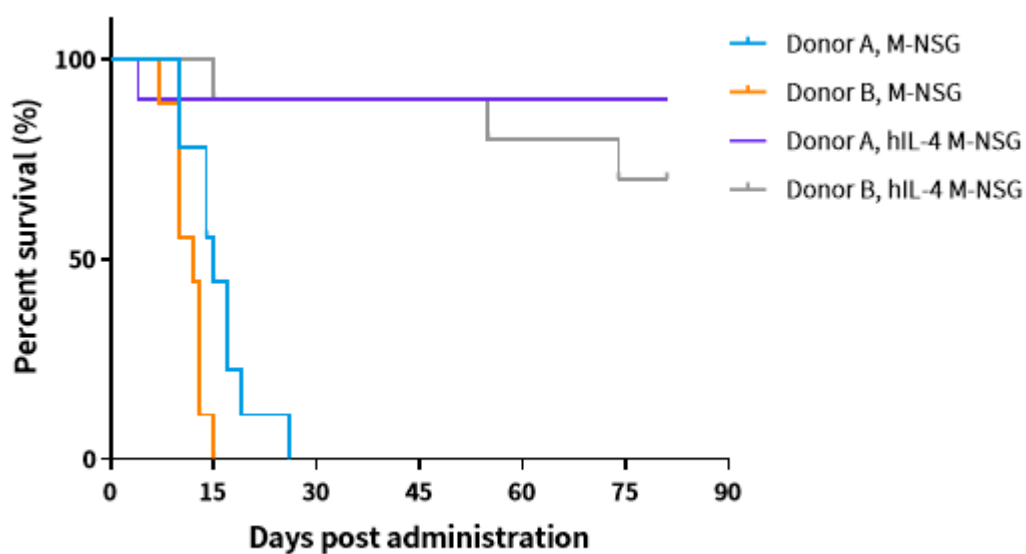


Fig 4. Survival rate of huPBMC-M-NSG-hIL4 mice.

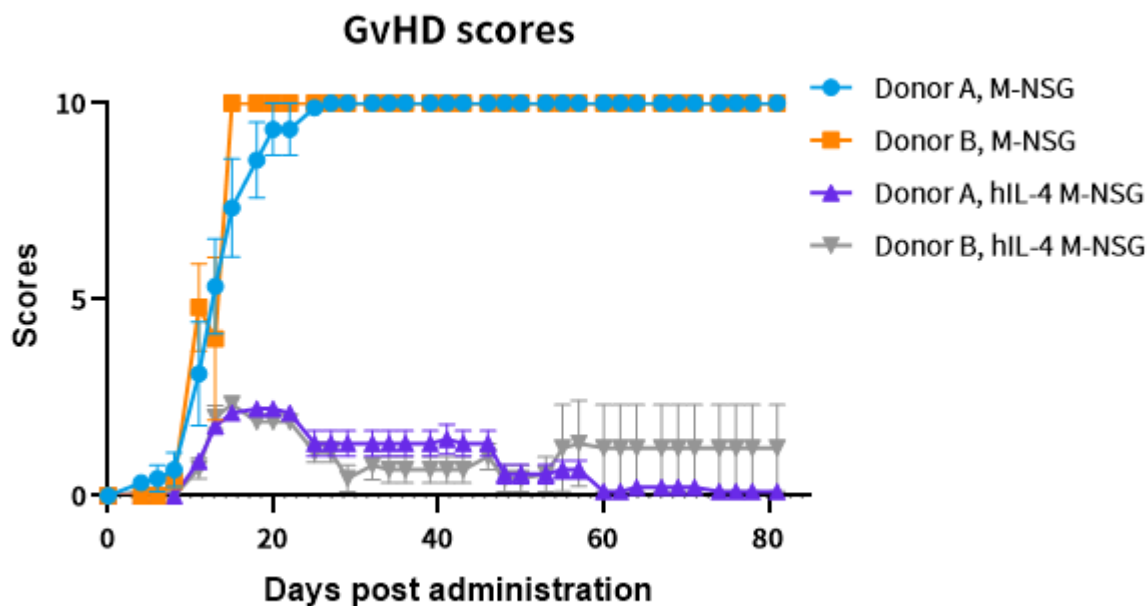


Fig 5. GvHD scores of huPBMC-M-NSG-hIL4 mice.

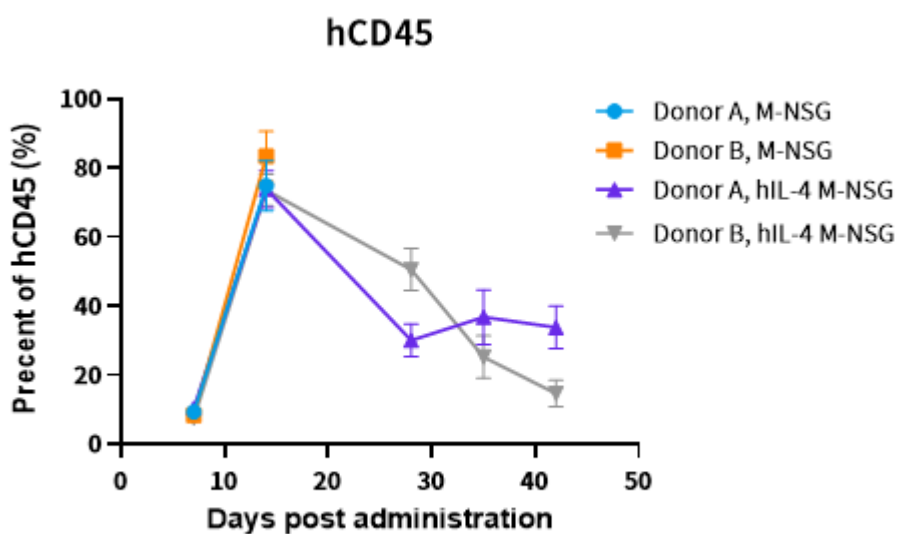


Fig 6. Percentage of hCD45-positive cells in peripheral blood of huPBMC-M-NSG-hIL4 mice.

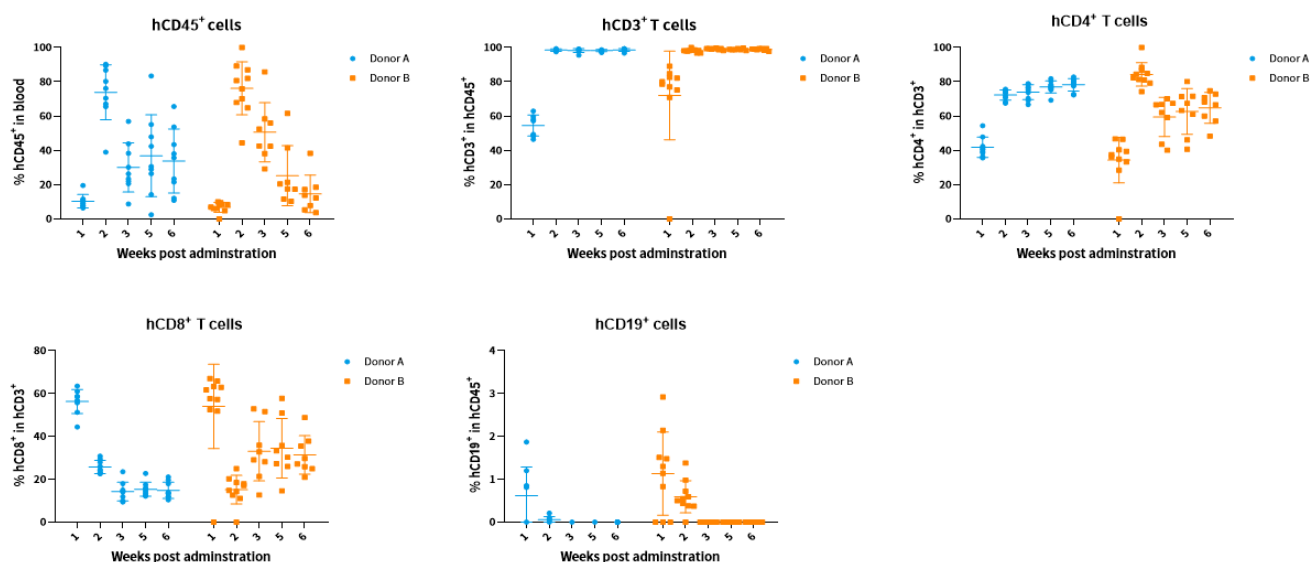


Fig 7. Flow analysis of peripheral blood lymphocyte subpopulations in the huPBMC-M-NSG-hIL4 model. Human PBMCs (1E7) were injected intravenously into hIL4-Tg(M-NSG) mice (female, 6-8 weeks old, n=10). Blood from mice at different time points after implantation of human PBMCs was taken for flow cytometric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