

hIL21/hIL21R

Nomenclature	C57BL/6Smoc- <i>IL21</i> ^{tm1(hIL21)} / <i>IL21</i> ^{tm1(hIL21R)Smoc}
Cat. NO.	NM-HU-220038
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol IL21	Synonyms	IL-21
	NCBI ID	60505
	MGI ID	1890474
	Ensembl ID	ENSMUSG00000027718
	Human Ortholog	IL21
Gene Symbol IL21R	Synonyms	NILR
	NCBI ID	60504
	MGI ID	1890475
	Ensembl ID	ENSMUSG00000030745
	Human Ortholog	IL21R

Model Description

hIL21(NM-HU-200255) were crossed with hIL21R(NM-HU-210031) to generate hIL21/hIL21R mice.

*Literature published using this strain should indicate: hIL21/hIL21R mice (Cat. NO. NM-HU-220038) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

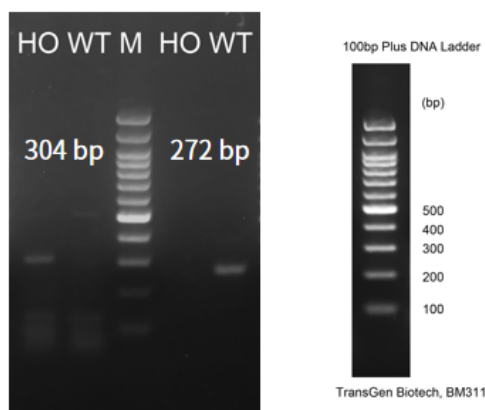


Fig 1. Detection of IL21 expression in splenocyte by RT-PCR.

Wild type: only one band at 272 bp with primers F1/R1 (mIL21);

Homozygous: only one band at 304 bp with primers F2/R2 (hIL21);

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

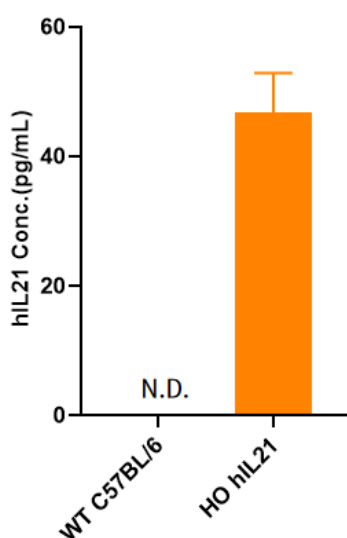


Fig 2. Detection of hIL21 expression in culture supernatants of splenocyte by ELISA (n=3).

Abbr. HO, homozygous; WT, wild type.

Note. Splenocytes from C57BL/6 and homozygous hIL21/hIL21R dKI mice were stimulated with anti-mCD3 antibody *in vitro*.

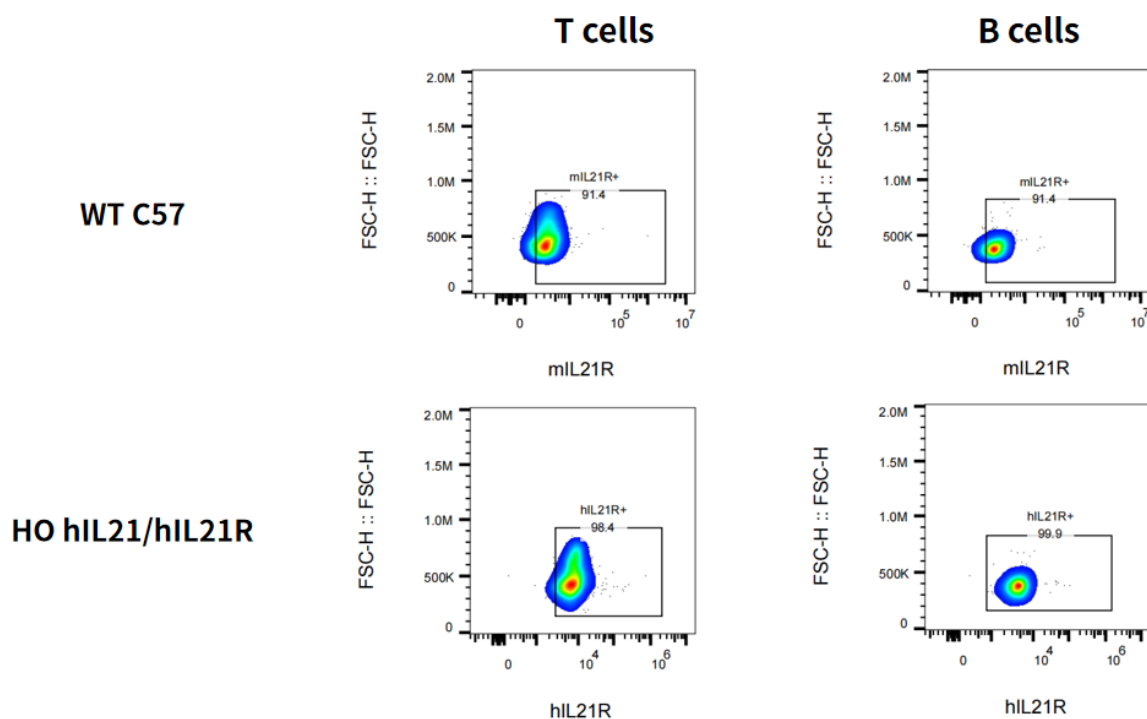


Fig 3. Detection of IL21R expression on spleen-derived activated T cells and B cells in hIL21/hIL21R dKI mice.

Note. Splenocytes from C57BL/6 and homozygous hIL21/hIL21R dKI mice were stimulated with anti-mCD3 antibody *in vitro*.