

hIL2/hIL2RA(BALB/c)

Nomenclature	BALB/cAnSmoc- <i>Il2</i> ^{tm3(hIL2)} / <i>Il2ra</i> ^{tm1(hIL2RA)/Smoc}
Cat. NO.	NM-HU-220018
Strain State	Repository Live

Gene Summary

Gene Symbol IL2	Synonyms	Il-2
	NCBI ID	16183
	MGI ID	96548
	Ensembl ID	ENSMUSG00000027720
	Human Ortholog	IL2
Gene Symbol IL2RA	Synonyms	CD25; Il2r; IL-2R alpha chain; Ly-43
	NCBI ID	16184
	MGI ID	96549
	Ensembl ID	ENSMUSG00000026770
	Human Ortholog	IL2RA
Gene Symbol Il2ra	Synonyms	CD25; Il2r; IL-2R alpha chain; Ly-43
	NCBI ID	16184
	MGI ID	96549
	Ensembl ID	ENSMUSG00000026770
	Human Ortholog	IL2RA

Model Description

The endogenous mouse Il2 and Il2ra gene was replaced respectively by human IL2 and IL2RA gene.

*Literature published using this strain should indicate: hIL2/hIL2RA(BALB/c) mice (Cat. NO. NM-HU-220018) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

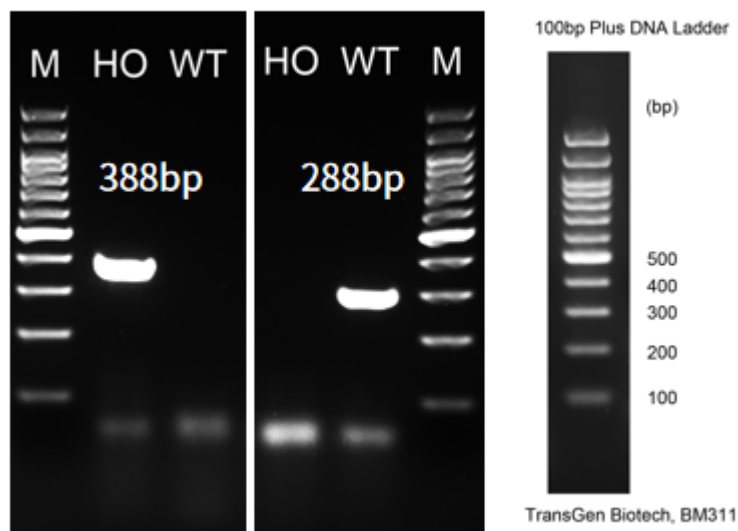


Fig1. Detection of IL2 expression in splenocyte by RT-PCR.

Wild type: only one band at 288 bp with primers F1/R1(mIL2);

Homozygous: only one band at 388 bp with primers F2/R2(hIL2);

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

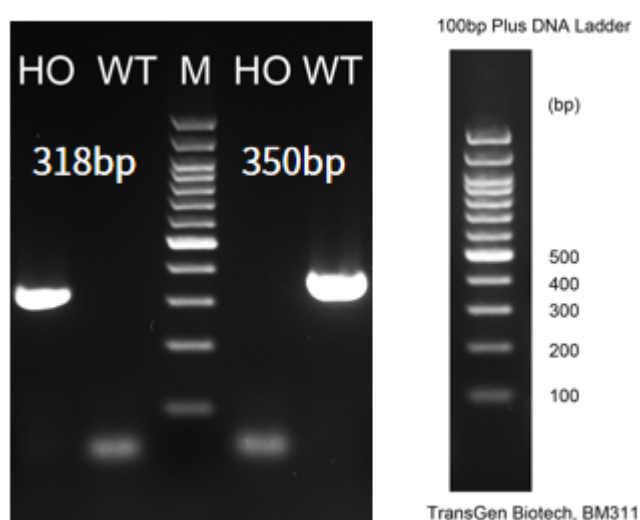


Fig2. Detection of IL2RA expression in splenocyte by RT-PCR.

Wild type: only one band at 350 bp with primers F1/R1(mIL2ra);

Homozygous: only one band at 318 bp with primers F2/R2(hIL2RA);

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

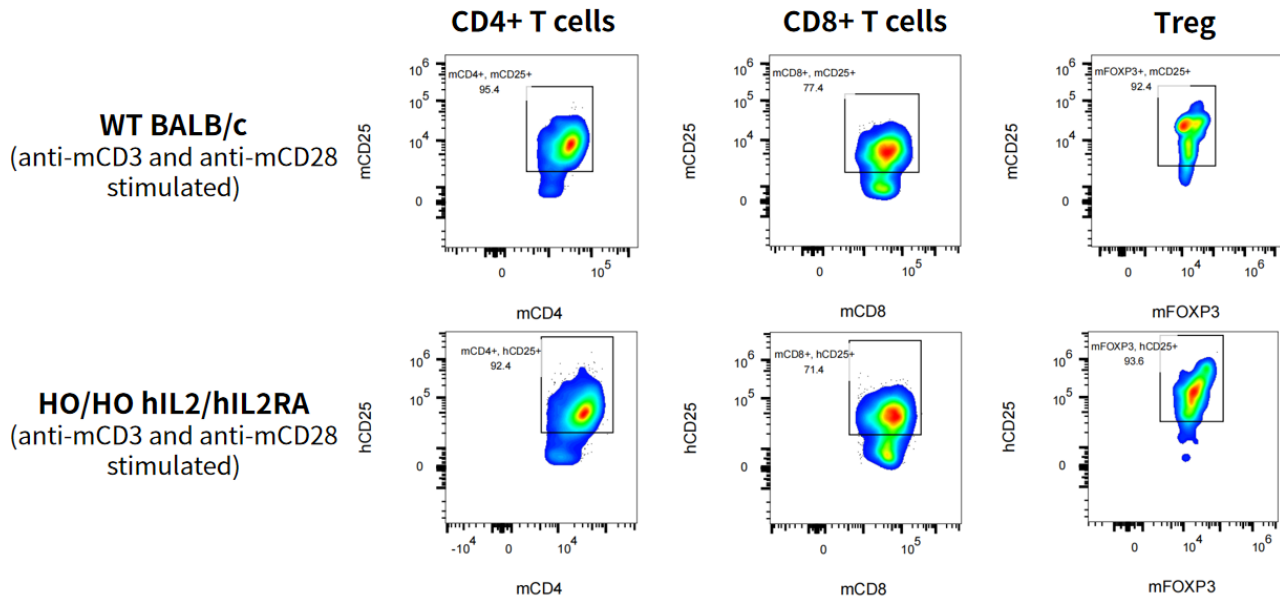


Fig3. Detection of hIL2RA expression on splenocyte-derived T cells in hIL2/hIL2RA dKI mice.