

hIL17A/hIL17F

品系全名	C57BL/6Smoc- <i>Il17a</i> ^{tm1(hIL17A)} <i>Il17f</i> ^{tm2(hIL17F)Smoc}
目录号	NM-HU-200281
品系状态	胚胎冻存

基因信息

基因名 IL17A	基因曾用名	Il17; Ctla8; IL-17; Ctla-8; IL-17A
	NCBI ID	16171
	MGI ID	107364
	Ensembl ID	ENSMUSG00000025929
	人类同源基因	IL17A
基因名 IL17F	基因曾用名	C87042; IL-17F
	NCBI ID	257630
	MGI ID	2676631
	Ensembl ID	ENSMUSG00000041872
	人类同源基因	IL17F

品系描述

通过同源重组，将小鼠Il17a和Il17f基因进行人源化修饰。

应用领域：免疫相关；药物筛选

*使用本品系发表的文献需注明: hIL17A/hIL17F mice (Cat. NO. NM-HU-200281) were purchased from Shanghai Model Organisms Center, Inc..

验证数据

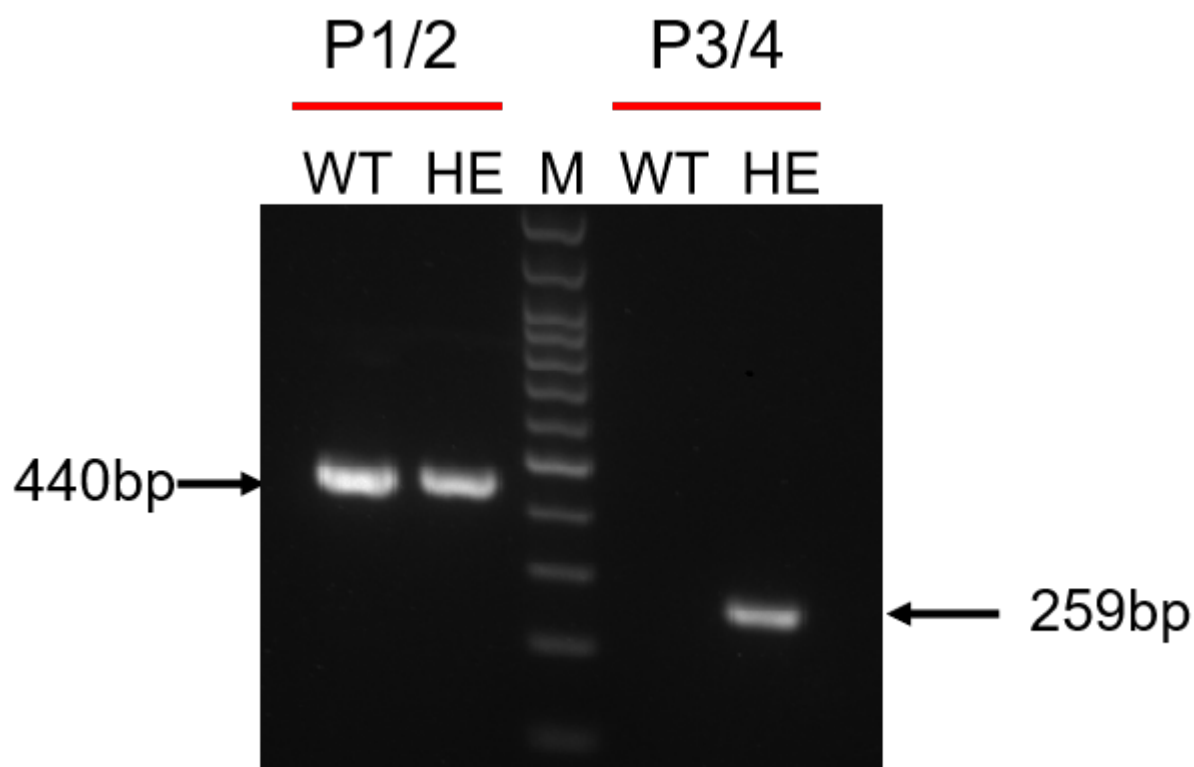


Fig1. Analysis of IL17F gene expression in the kidney by RT-PCR. Mouse Il17f mRNA was detectable by P1/2(440bp), human IL17F mRNA was detectable by P3/4(259bp), M:100bp Plus DNA ladder from Transgen (BM311). The heterozygous KI mice express both human IL17F and mouse Il17f in the kidney.

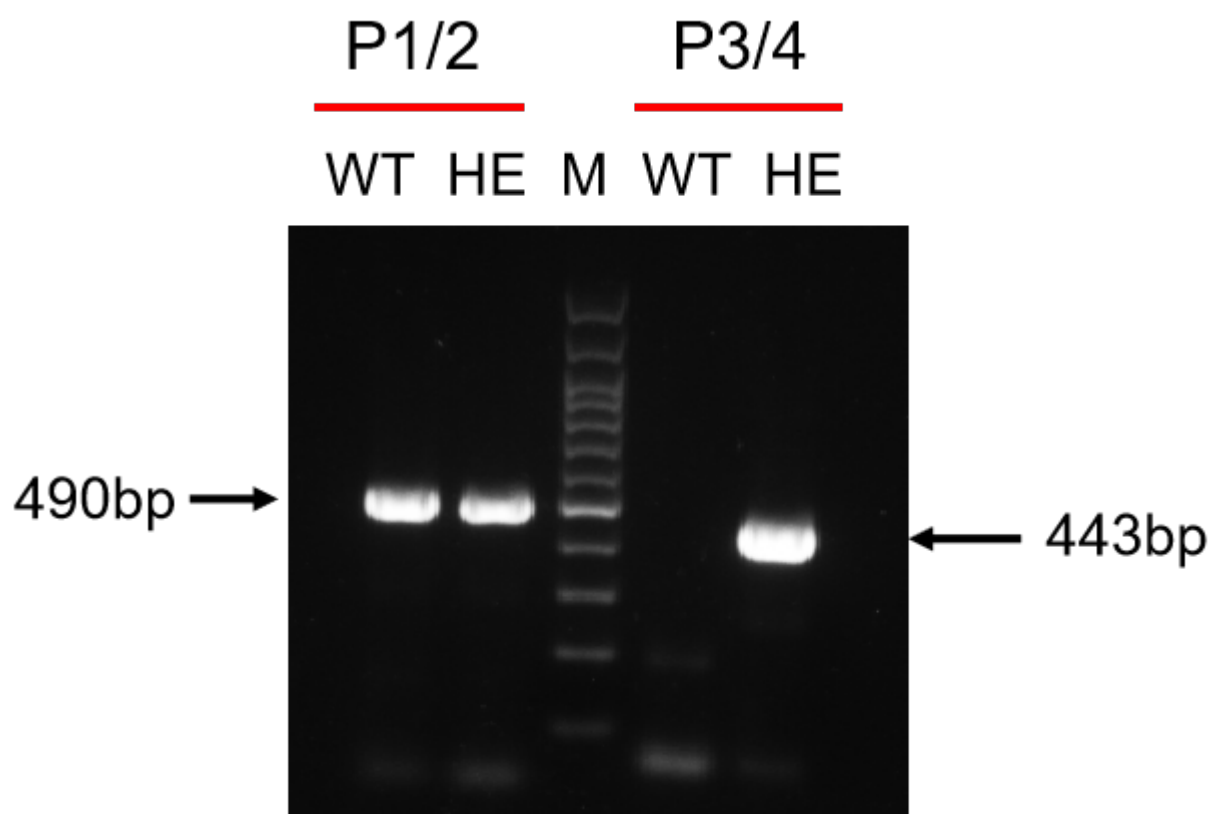


Fig2. Analysis of IL17A gene expression in the spleen by RT-PCR in WT and IL17A/IL17F

humanized mice . Mouse Il17a mRNA was detectable by P1/2(490bp), human IL17A mRNA was detectable by P3/4(443bp), M:100bp Plus DNA ladder from Transgen (BM311). The heterozygous KI mouse expresses both human IL17A and mouse Il17a in the spleen.

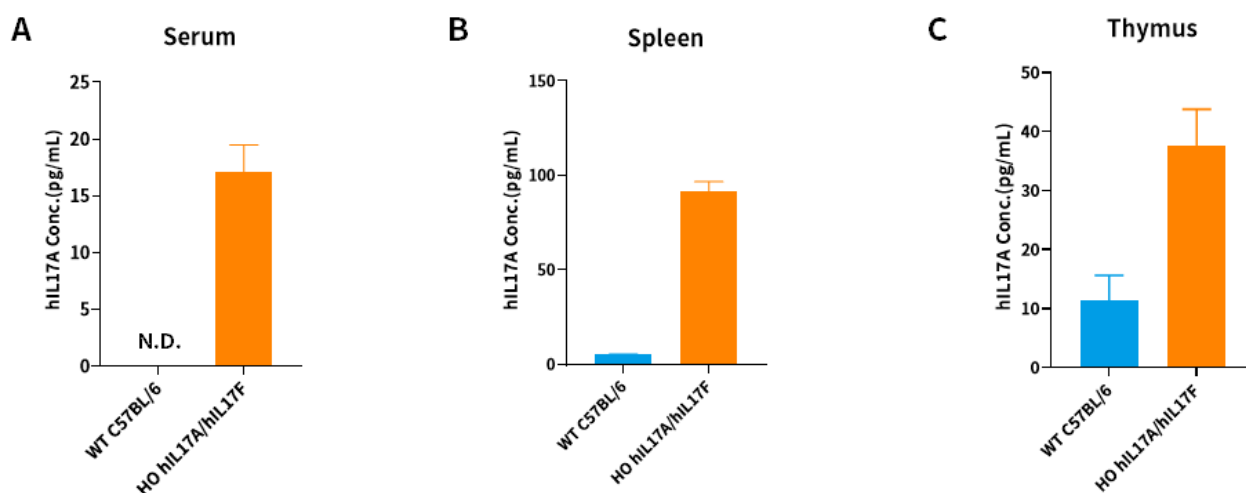


Fig. 3 Detection of hIL17A expression in serum, spleen and thymus homogenate by ELISA (n=3).

Abbr. HO, homozygous; WT, wild type.

Note. hIL17A/hIL17F and C57BL/6 mice were i.p. injected with LPS.

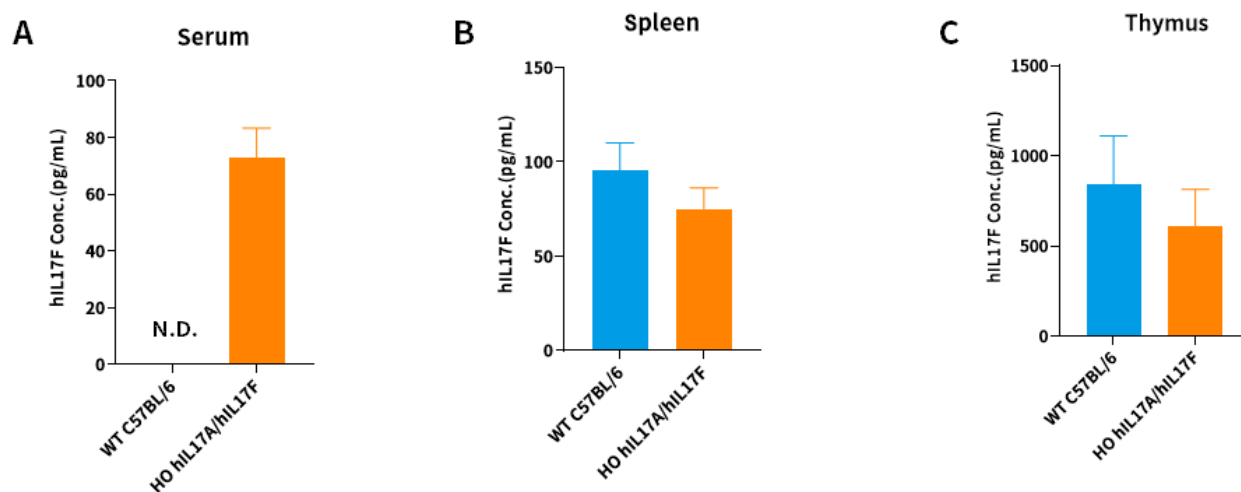


Fig. 4 Detection of hIL17F expression in serum, spleen and thymus homogenate by ELISA (n=3).

Abbr. HO, homozygous; WT, wild type.

Note. hIL17A/hIL17F and C57BL/6 mice were i.p. injected with LPS.