hIL17A/hIL17F

系統名	C57BL/6Smoc-*Il17a*$^{tm1(hIL17A)}$*Il17f*$^{em2(hIL17F)Smoc}$
SMOC番号	NM-HU-200281
維持形態	Repository Live

遺伝子の概要

Gene Symbol IL17A	**Synonyms**	Il17; Ctla8; IL-17; Ctla-8; IL-17A
	NCBI ID	16171
	MGI ID	107364
	Ensembl ID	ENSMUSG00000025929
	Human Ortholog	IL17A
Gene Symbol IL17F	**Synonyms**	C87042; IL-17F
	NCBI ID	257630
	MGI ID	2676631
	Ensembl ID	ENSMUSG00000041872
	Human Ortholog	IL17F

説明

The endogenous mouse Il17a&Il17f genes were replaced by human IL17A&IL17F gene.
応用分野：Immune-related; drug screening
*Literature published using this strain should indicate: hIL17A/hIL17F mice (Cat. NO. NM-HU-200281) were purchased from Shanghai Model Organisms Center, Inc..

表現型デ□タ

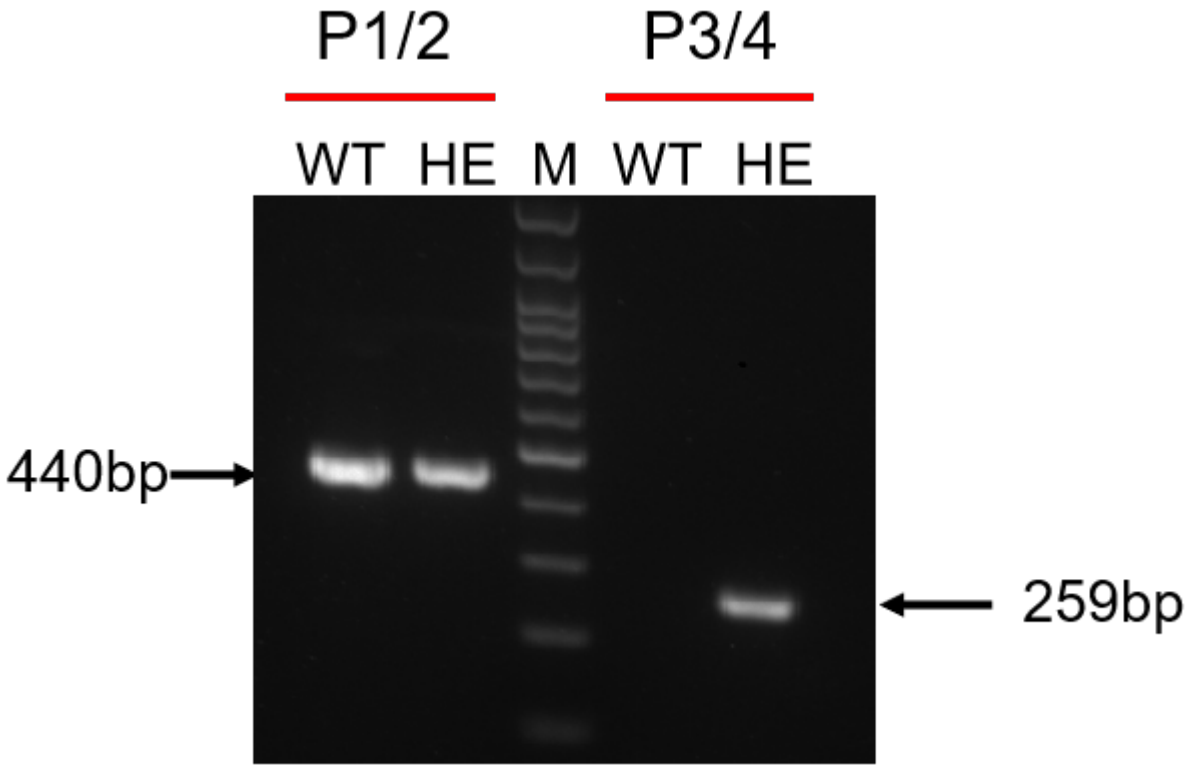

Fig1. Analysis of IL17F gene expression in the kidney by RT-PCR. Mouse Il17f mRNA was detectable by P1/2(440bp), human IL17F mRNA was detectable by P3/4(259bp), M:100bp Plus DNA ladder from Transgen (BM311). The heterozygous KI mice express both human IL17F and mouse Il17f in the kidney.

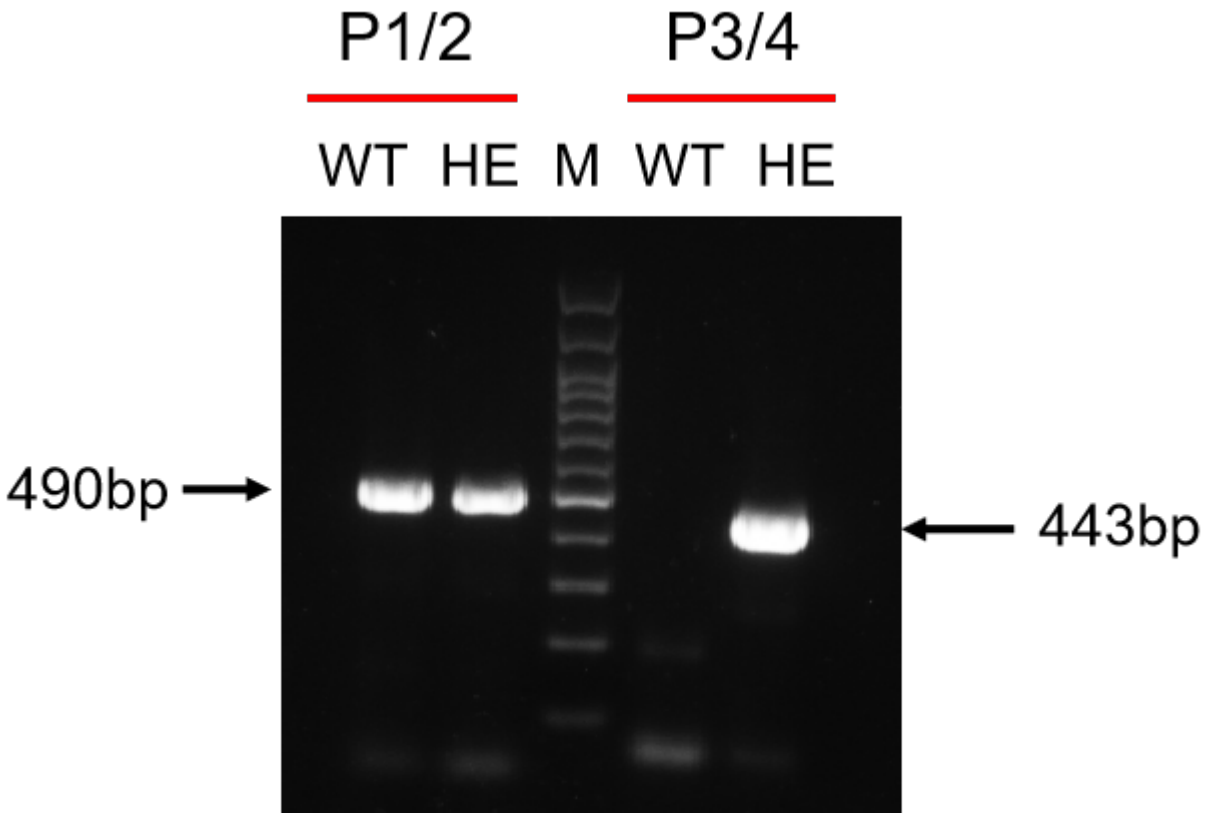

Fig2. Analysis of IL17A gene expression in the spleen by RT-PCR in WT and IL17A/IL17F

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.

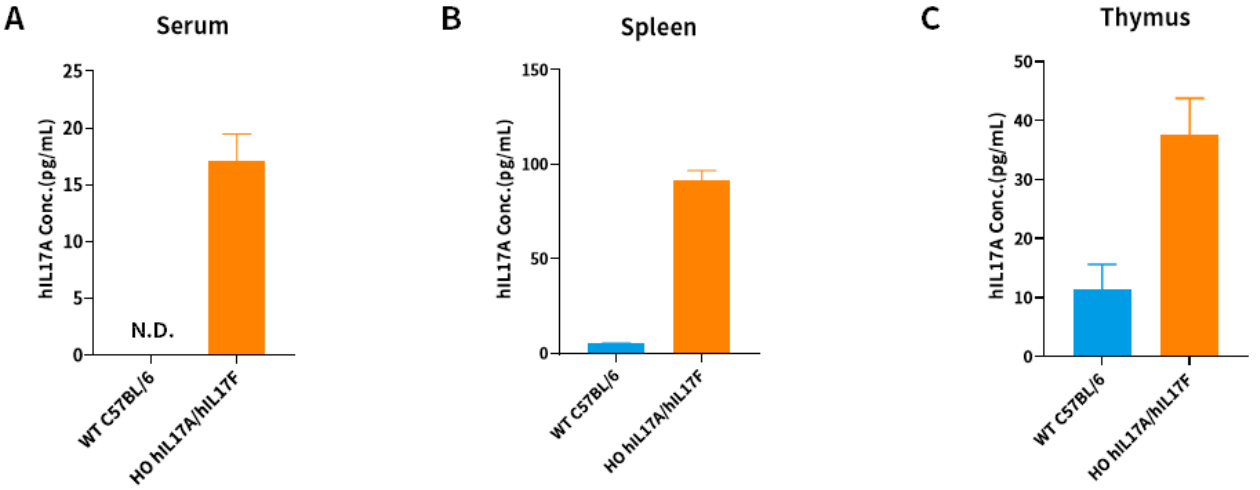

Fig. 3 Detection of hIL17A expression in serum, spleen and thymus homogenate by ELISA (n=3).

Abbr. HO, homozygous; WT, wild type.

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

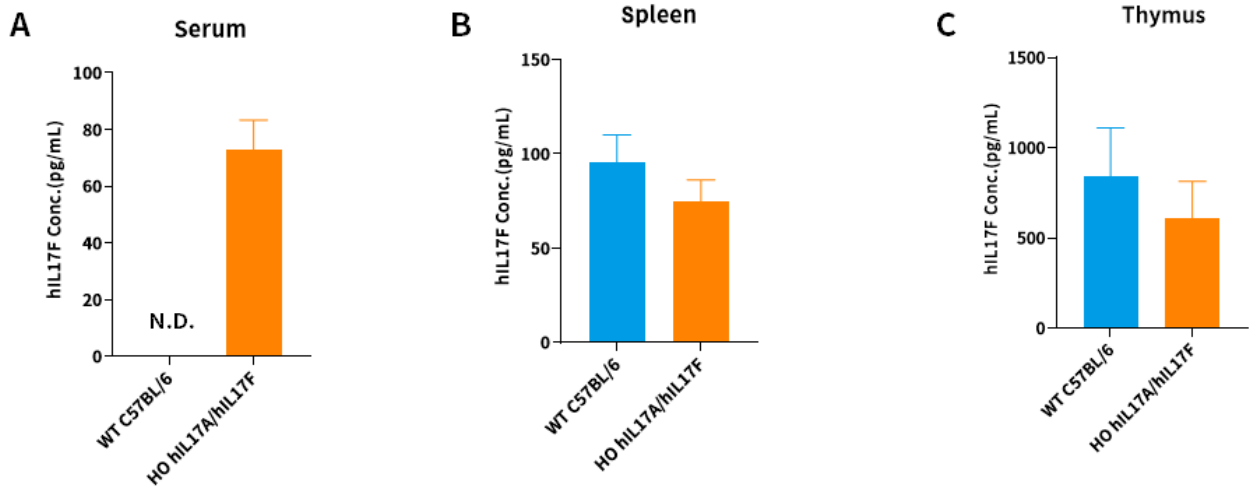

Fig. 4 Detection of hIL17F expression in serum, spleen and thymus homogenate by ELISA (n=3).

Abbr. HO, homozygous; WT, wild type.

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