

hIL12A

Nomenclature	C57BL/6Smoc- <i>Il12a</i> ^{tm3(hIL12A)/Smoc}
Cat. NO.	NM-HU-2000056
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol Il12a	Synonyms	p35; Ll12a; IL-12a; IL-12p35
	NCBI ID	16159
	MGI ID	96539
	Ensembl ID	ENSMUSG00000027776
	Human Ortholog	IL12A

Model Description

The endogenous mouse Il12a gene was replaced by human IL12A gene.

Research Application: Cytokine humanization model; drug screening

*Literature published using this strain should indicate: hIL12A mice (Cat. NO. NM-HU-2000056) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

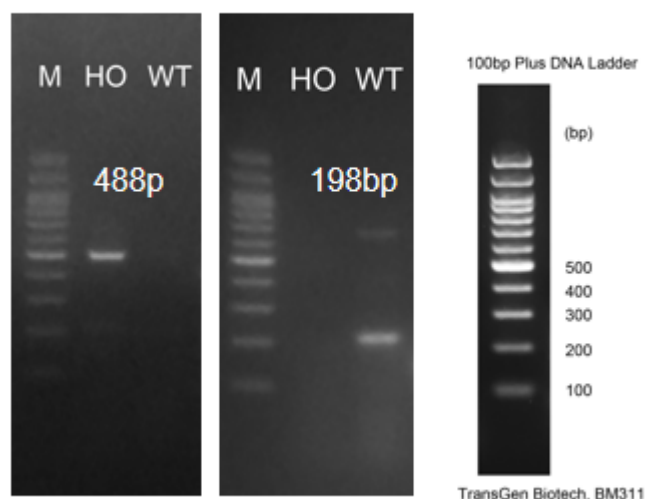


Fig1. Detection of IL12A expression in spleen by RT-PCR.

Wild type: only one band at 198 bp with primers F1/R1(ml12a);

Homozygous: only one band at 488 bp with primers F2/R2(hIL12A);

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

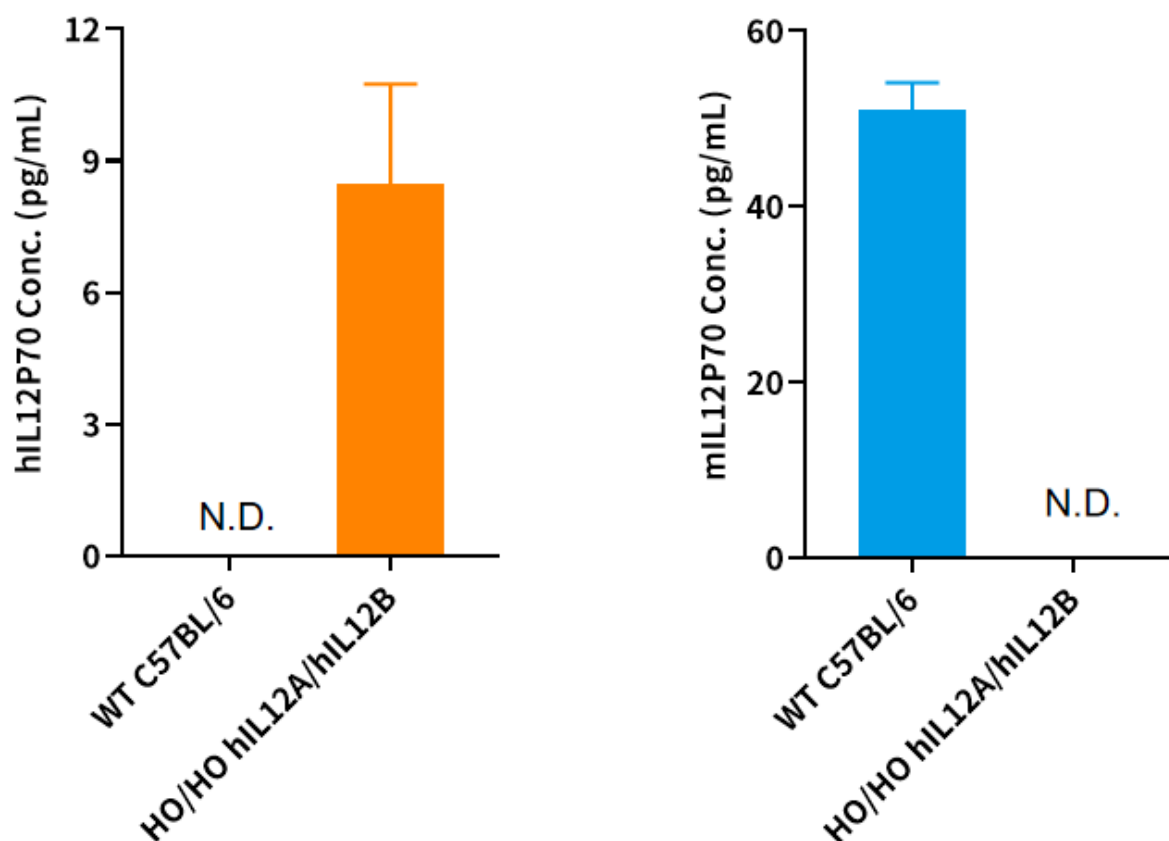


Fig2. Detection of human IL12P70 and mouse IL12P70 expression in serum by ELISA (n=3).

Abbr. HO, homozygous; WT, wild type.

Note. hIL12A/hIL12B and C57BL/6 mice were i.p. injected with LPS for 2h.
