

hIL12A

Nomenclature C57BL/6Smoc-*/l12a*^{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

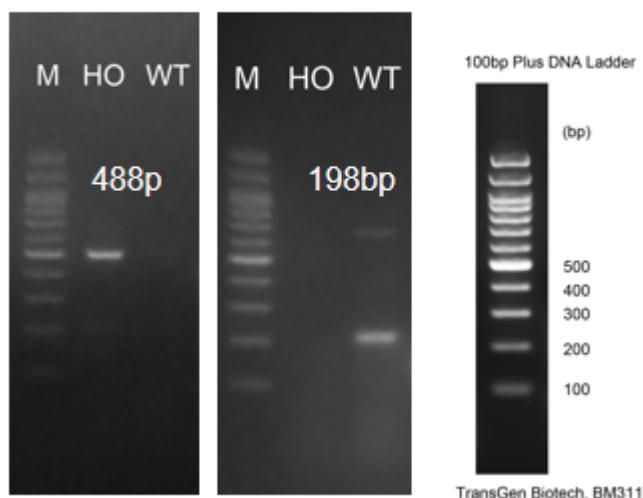


Fig1. Detection of IL12A expression in spleen by RT-PCR.

Wild type: only one band at 198 bp with primers F1/R1(mIL12a);

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

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

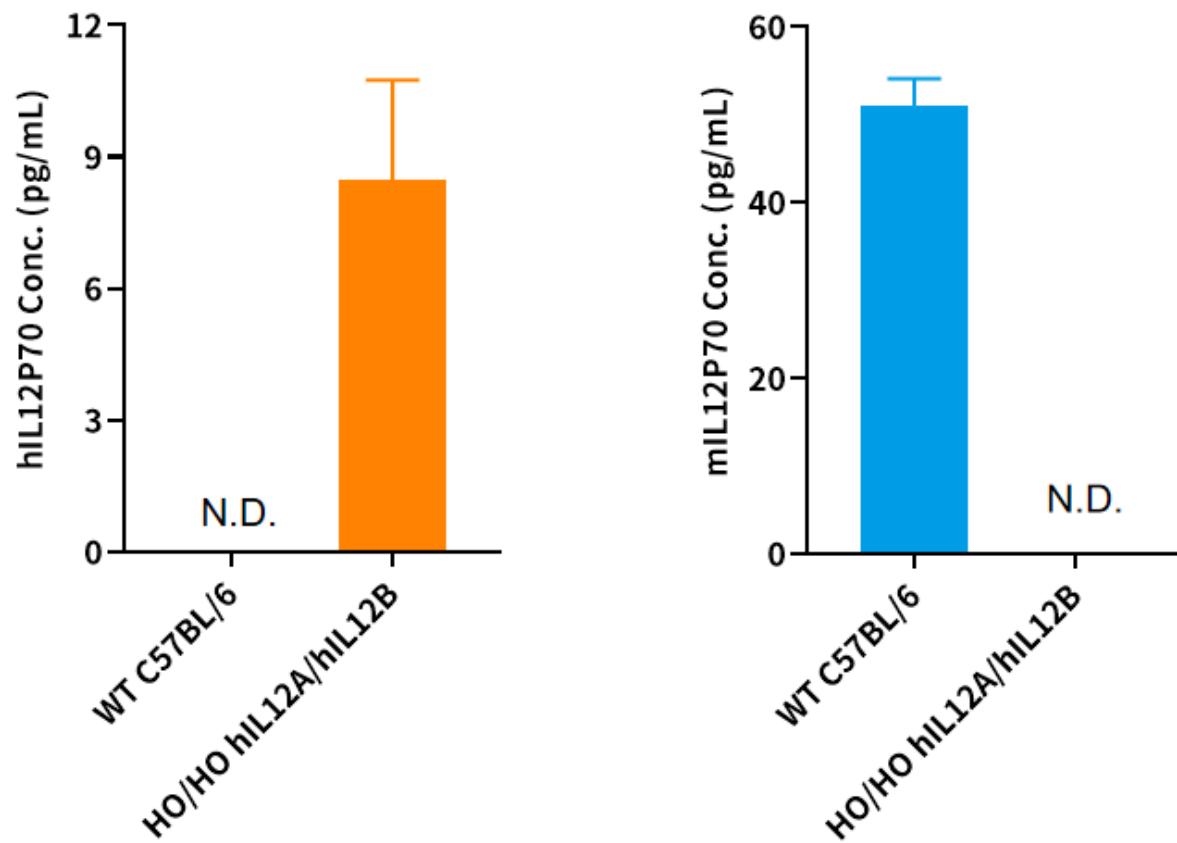


Fig2. Detection of human IL12P70 and mouse IL12P70 expression in serum by ELISA (n=3).

Abbr. HO, homozygous; WT, wild type.

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