

# hIL12A

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

## Gene Summary

|                             |                       |                                    |
|-----------------------------|-----------------------|------------------------------------|
| <b>Gene Symbol</b><br>Il12a | <b>Synonyms</b>       | p35; Ll12a; IL-12a; IL-12p35       |
|                             | <b>NCBI ID</b>        | <a href="#">16159</a>              |
|                             | <b>MGI ID</b>         | <a href="#">96539</a>              |
|                             | <b>Ensembl ID</b>     | <a href="#">ENSMUSG00000027776</a> |
|                             | <b>Human Ortholog</b> | 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

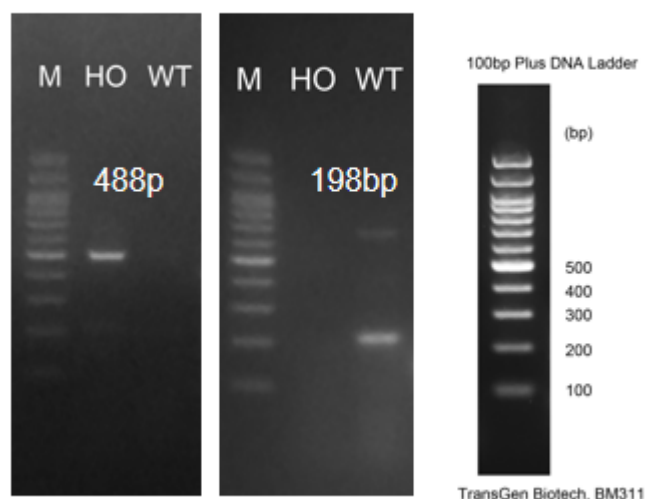


Fig1. Detection of IL12A expression in spleen by RT-PCR.

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.

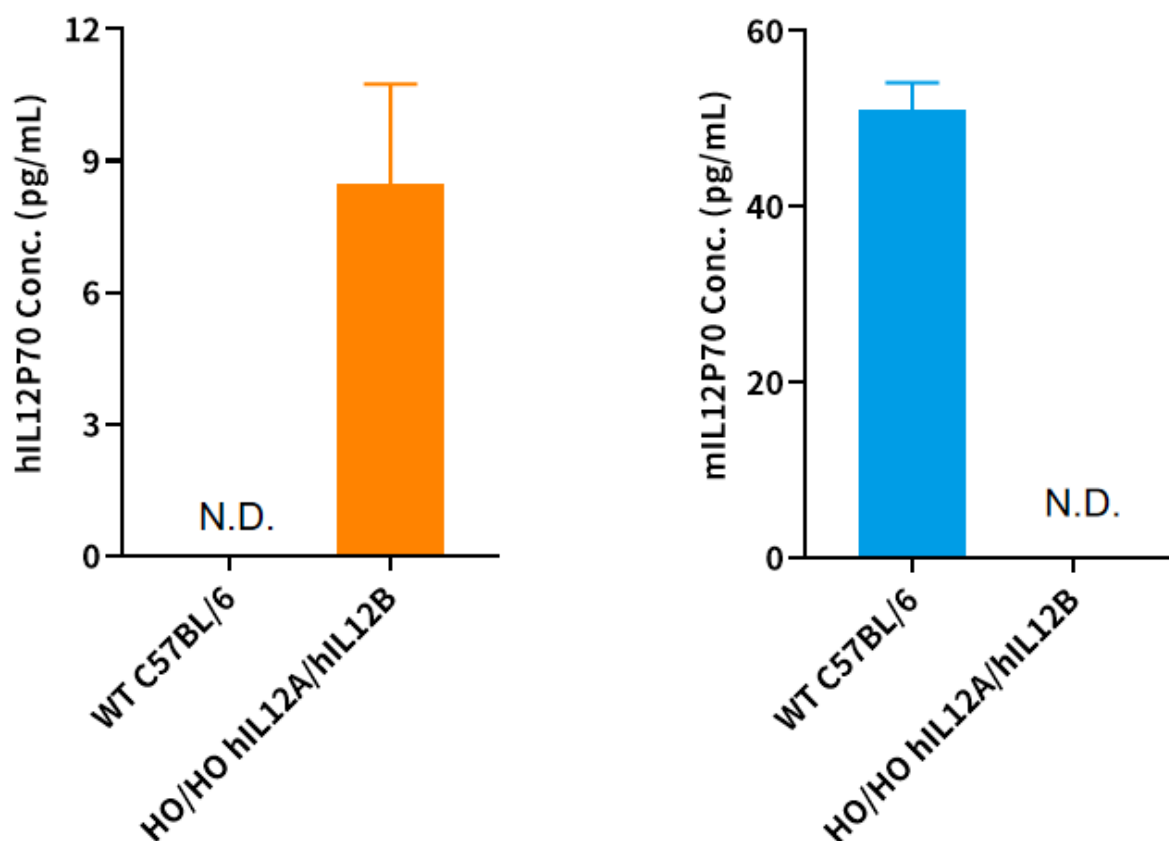


Fig2. Detection of human IL12P70 and mouse IL12P70 expression in serum by ELISA (n=3).

Abbr. HO, homozygous; WT, wild type.

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

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