

hIL33

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| Nomenclature | C57BL/6Smoc- <i>Il33</i> ^{tm2(hIL33)/Smoc} |
| Cat. NO. | NM-HU-2000069 |
| Strain State | Repository Live |

Gene Summary

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|----------------------------|-----------------------|---|
| Gene Symbol IL33 | Synonyms | IL-33; IL1f11; NF-HEV; 9230117N10Rik |
| | NCBI ID | 77125 |
| | MGI ID | 1924375 |
| | Ensembl ID | ENSMUSG00000024810 |
| | Human Ortholog | IL33 |

Model Description

The endogenous mouse Il33 gene was replaced by human IL33 gene.

Research Application: Cytokine humanization model; drug screening

*Literature published using this strain should indicate: hIL33 mice (Cat. NO. NM-HU-2000069) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

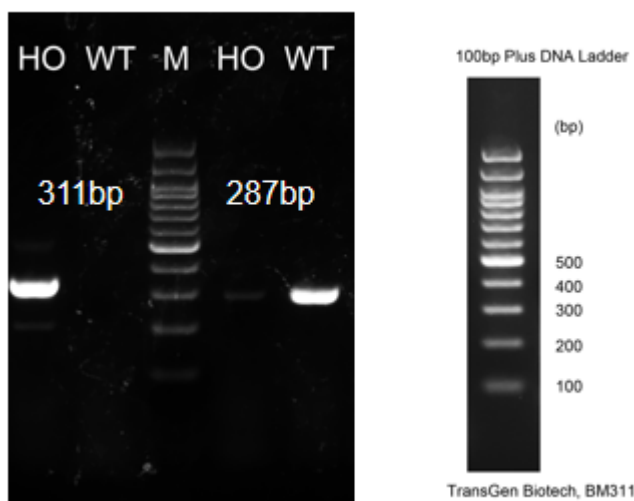


Fig1. Detection of IL33 expression in lung by RT-PCR. Wild type: only one band at 287 bp with primers F1/R1(mIL33);Homozygous: only one band at 311 bp with primers F2/R2(hIL33); Abbr.. M, DNA marker; HO, homozygous; HE, heterozygous; WT, wild type.

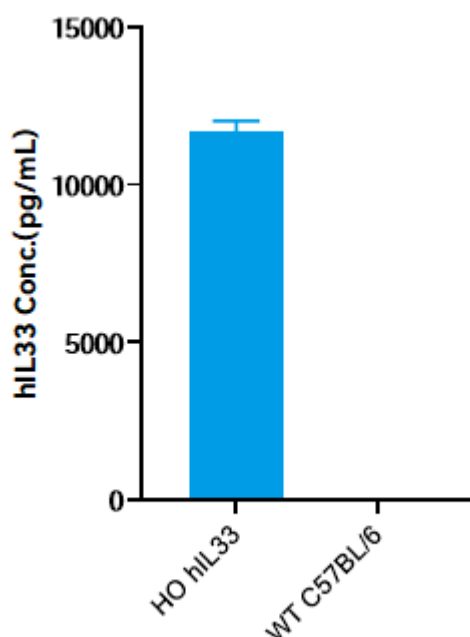


Fig 2. Detection of hIL33 expression in lung homogenate by ELISA. Abbr. HO, homozygous; HE, heterozygous; WT, wild type. Note. hIL33 and C57BL/6 mice were i.p. injected with LPS(10mg/kg) for 4h.

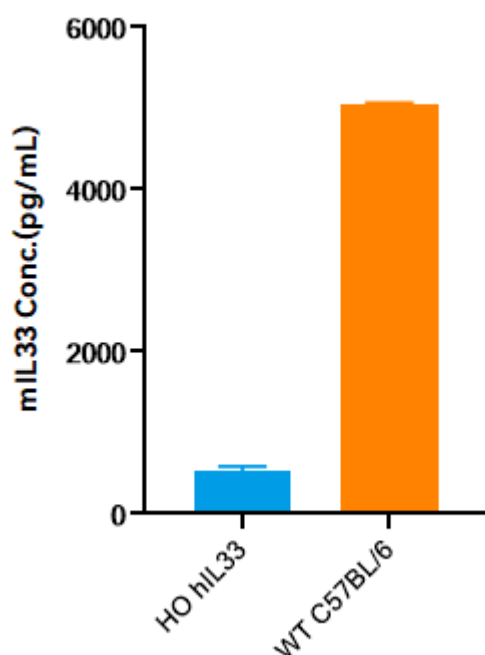


Fig 3. Detection of mIL33 expression in lung homogenate by ELISA. Abbr. HO, homozygous; HE, heterozygous; WT, wild type. Note. hIL33 and C57BL/6 mice were i.p. injected with LPS(10mg/kg)

for 4h.
