

hPCSK9

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|---------------------|-------------------------------------------------------|
| Nomenclature | C57BL/6Smoc- <i>Pcsk9</i> ^{em2(hPCSK9)/Smoc} |
| Cat. NO. | NM-HU-00075 |
| Strain State | Repository Live |

Gene Summary

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|------------------------------------|-----------------------|----------------------------------------------|
| Gene Symbol Pcsk9 | Synonyms | AI415265; AI747682; FH3; HCHOLA3; Narc1; PC9 |
| | NCBI ID | 100102 |
| | MGI ID | 2140260 |
| | Ensembl ID | ENSMUSG00000044254 |
| | Human Ortholog | PCSK9 |

Model Description

The endogenous mouse *Pcsk9* gene was replaced by human PCSK9 gene .

Research Application: Immunotherapy, cancer research, drug screening

*Literature published using this strain should indicate: hPCSK9 mice (Cat. NO. NM-HU-00075) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

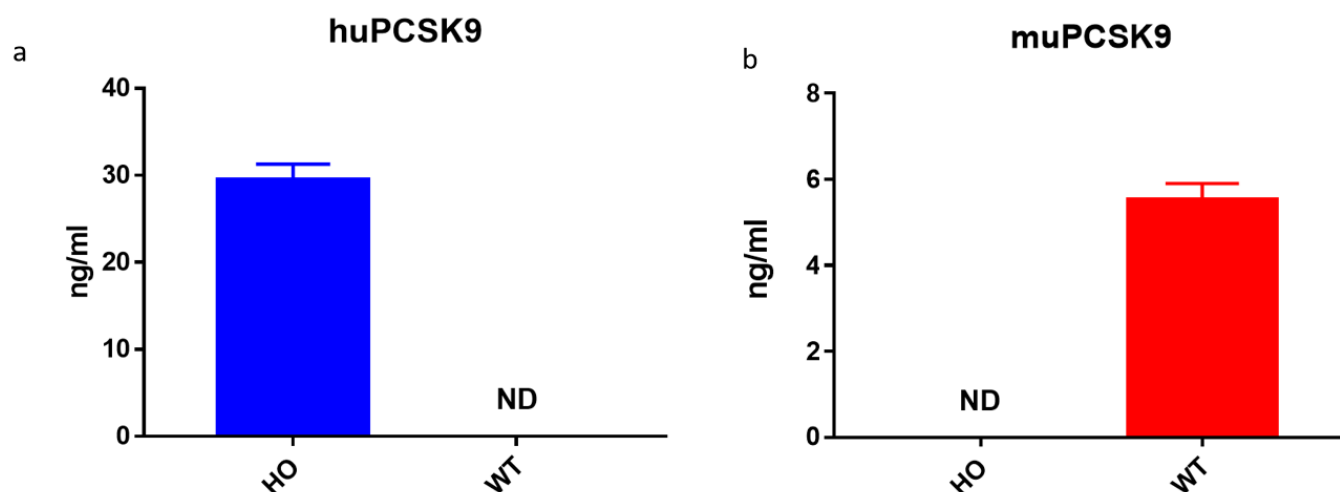


Fig1 Expression of PCSK9 in the serum of humanized PCSK9 homozygous mice is detected by Elisa. a The expression of human PCSK9 can be detected in the serum collected from homozygous mice . B The expression of mouse PCSK9 can not be detected in the serum collected from homozygous mice .

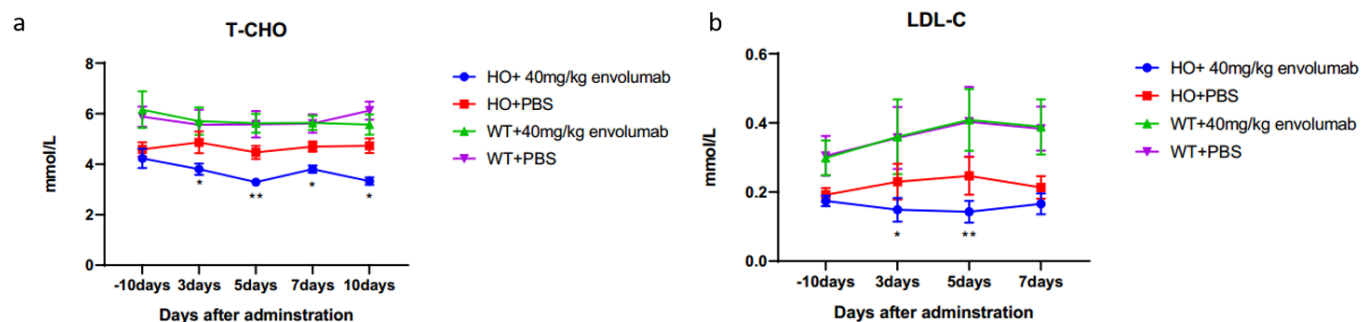


Fig2 Impact of evolocumab treatment on CHOL and LDL-C levels in humanized PCSK9 homozygous mice. A single intravenous injection of evolocumab reduced CHOL(a) and LDL-C(b) in humanized PCSK9 homozygous mice after 16 weeks of high-fat diet feeding. Average + SD; n = 6 to 7 mice per condition; *p<0.05, **p<0.01; (Student's t test).