

hPCSK9

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

Gene Summary

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

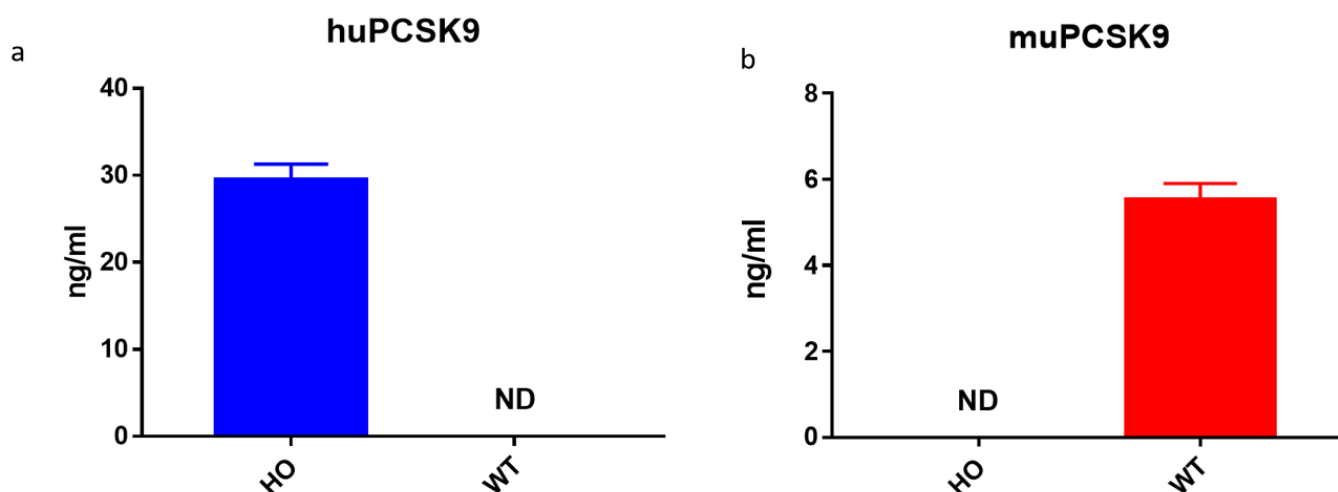


Fig1 Expression of PCSK9 in the serum of humanized PCSK9 homozygous mice is detected by Elisa. a The expression of human PCSK9 can be detected in the serum collected from homozygous mice . B The expression of mouse PCSK9 can not be detected in the serum collected from homozygous mice .

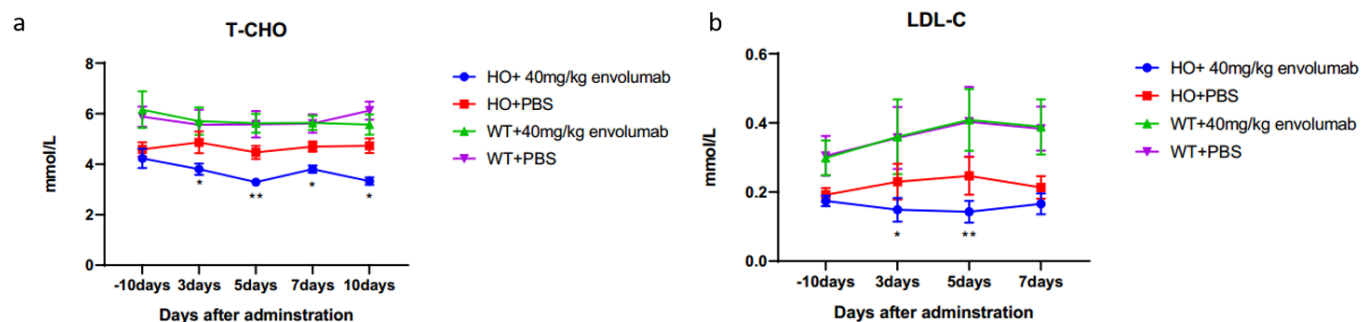


Fig2 Impact of evolocumab treatment on CHOL and LDL-C levels in humanized PCSK9 homozygous mice. A single intravenous injection of evolocumab reduced CHOL(a) and LDL-C(b) in humanized PCSK9 homozygous mice after 16 weeks of high-fat diet feeding. Average + SD; n = 6 to 7 mice per condition; *p<0.05,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