

# hALB/hFCRN

<b>Nomenclature</b>	C57BL/6Smoc- <i>Alb</i> <sup>em3(hALB)</sup> <i>Fcgrt</i> <sup>em2(hFCGRT)/Smoc</sup>
<b>Cat. NO.</b>	NM-HU-200278
<b>Strain State</b>	Repository Live

## Gene Summary

<b>Gene Symbol</b> FCGRT	<b>Synonyms</b>	FcRn
	<b>NCBI ID</b>	<a href="#">14132</a>
	<b>MGI ID</b>	<a href="#">103017</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000003420</a>
	<b>Human Ortholog</b>	FCGRT
<b>Gene Symbol</b> ALB	<b>Synonyms</b>	Alb1; Alb-1; BCL002
	<b>NCBI ID</b>	<a href="#">11657</a>
	<b>MGI ID</b>	<a href="#">87991</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000029368</a>
	<b>Human Ortholog</b>	ALB
<b>Gene Symbol</b> Fcgrt	<b>Synonyms</b>	FcRn
	<b>NCBI ID</b>	<a href="#">14132</a>
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	<b>Human Ortholog</b>	FCGRT

## Model Description

hALB(NM-HU-200003)was crossed with hFcRn(NM-HU-190070)to generate hALB/hFCRN mice  
 \*Literature published using this strain should indicate: hALB/hFCRN mice (Cat. NO. NM-HU-200278) were purchased from Shanghai Model Organisms Center, Inc..

## Validation Data

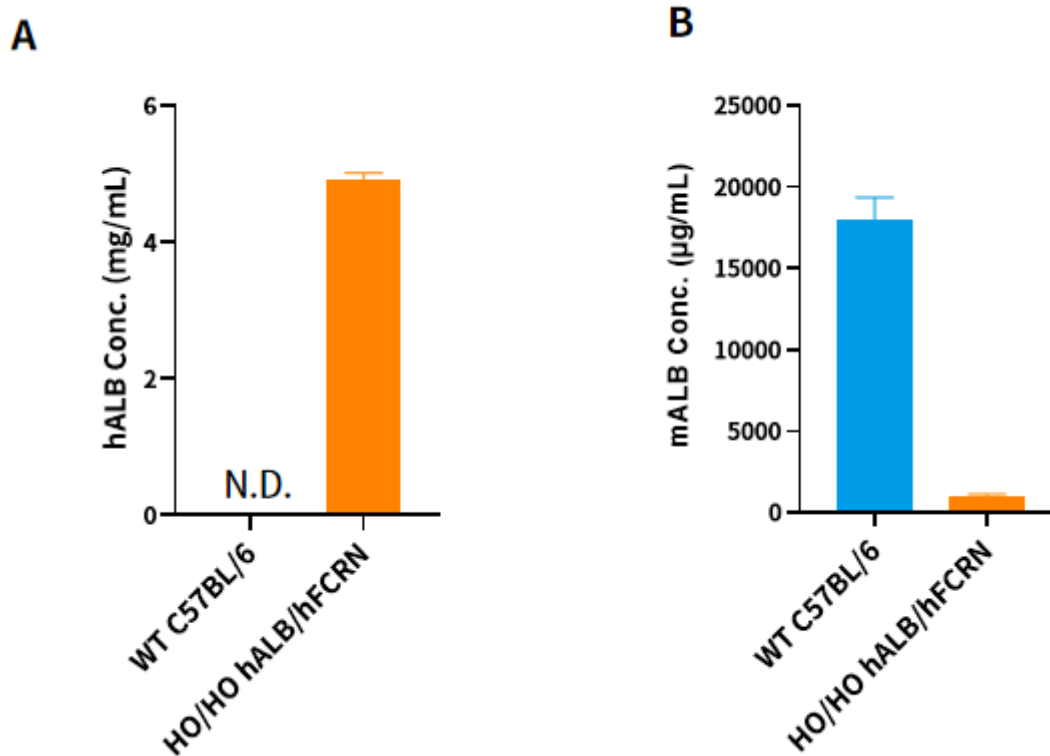


Fig.1 Detection of hALB (A) and mALB (B) expression in serum by ELISA (n=3).

Abbr. HO, homozygous; WT, wild type.

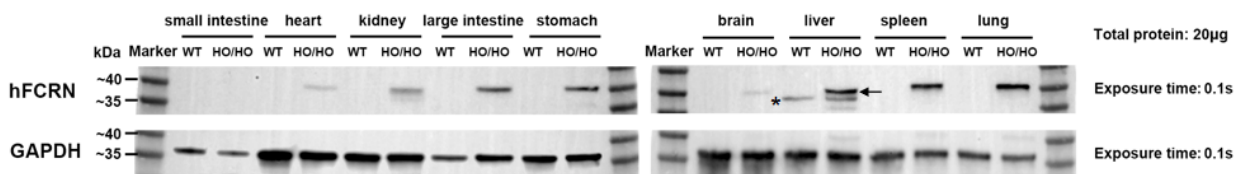


Fig.2 Expression characterization of hFCRN in hALB/hFCRN dKI mice by Western blot. (Arrow indicates expected molecular weight and asterisk indicates a nonspecific band)

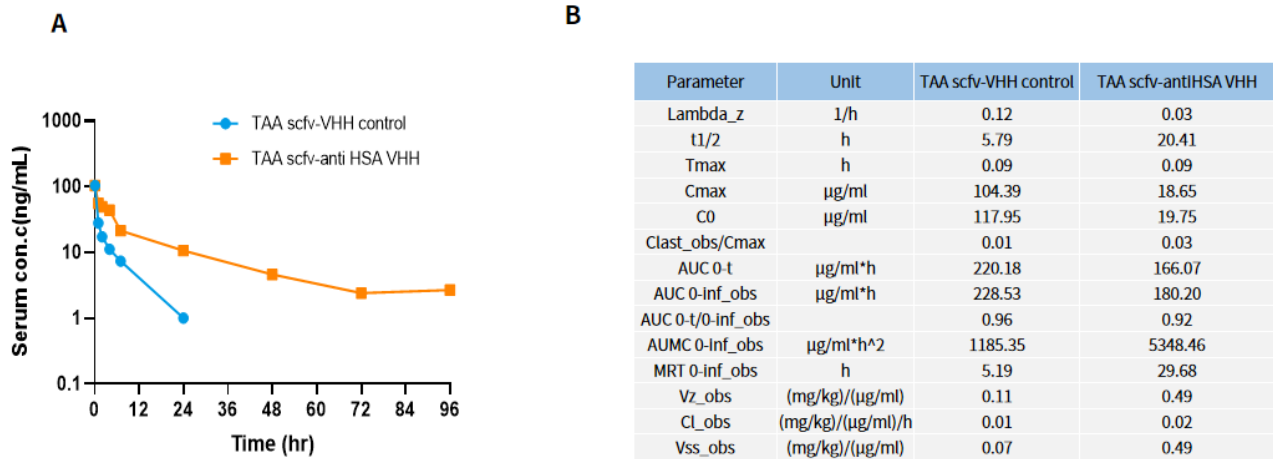


Fig.3 In vivo PK profiles of TAA scfv-anti HSA VHH in hALB/hFCRN mice (female, 10-12weeks, n=3 mice/timepoint).

(In cooperation with the third party).

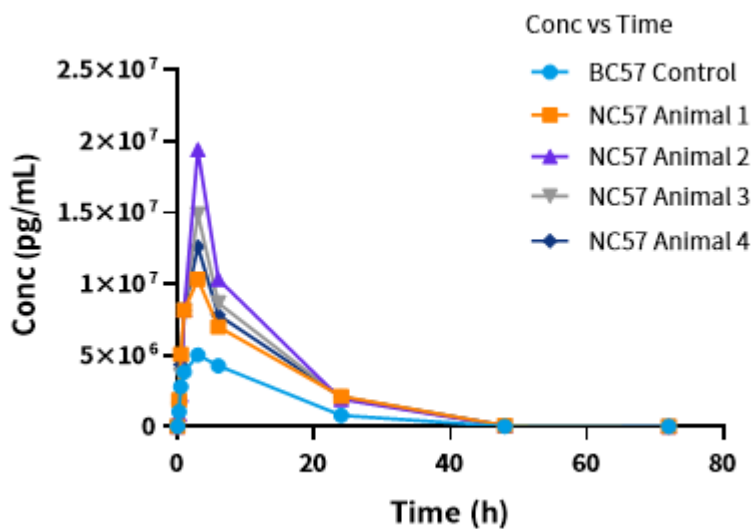


Fig.4 Blood concentration curves of test articles in C57BL/6 and hFcRn/hALB dKI mice. (In cooperation with the third party)

Group/Species	Animal ID	HL_Lambda_z	Tmax	Cmax	AUClast	Vz_F_obs	Cl_F_obs
		h	h	μg/mL	h*μg/mL	mL/kg	mL/h/kg
C57BL/6	BC57	4.087543	3	5018046	79606170	2.22E-06	3.77E-07
hFcRn/hALB	1	6.347321	3	10317268	1.57E+08	1.74E-06	1.9E-07
	2	5.063657	3	19402342	2.09E+08	1.05E-06	1.43E-07
	3	5.696744	3	14859805	1.83E+08	1.34E-06	1.64E-07
	4	6.013475	3	12588537	1.7E+08	1.53E-06	1.76E-07

Table 1 Noncompartmental Analysis (NAC) results of test articles in hFcRn/hALB dKI mice. (In cooperation with the third party)

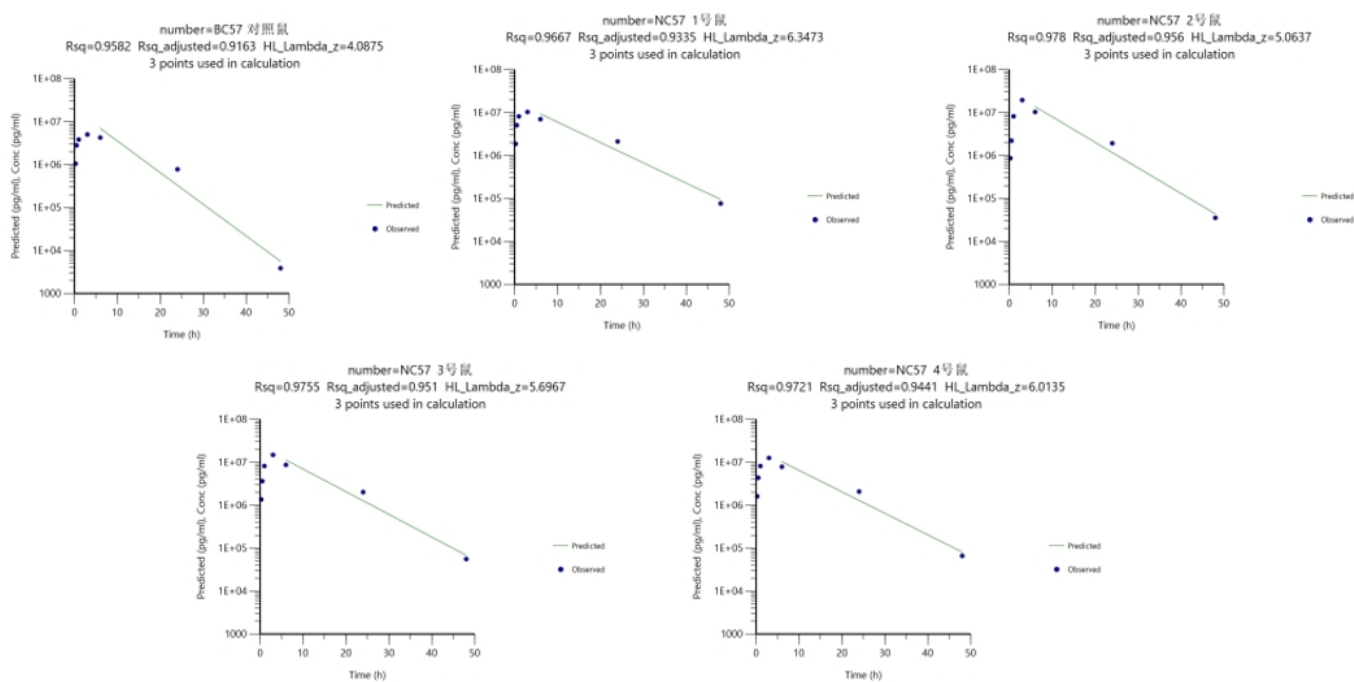


Fig.5 Fitting curves of blood concentration in C57BL/6 and hFcRn/hALB dKI mice. (In cooperation with the third party)