

hCFB

Nomenclature	C57BL/6Smoc- <i>Cfb</i> ^{tm1(hCFB)/Smoc}
Cat. NO.	NM-HU-2000078
Strain State	Repository Live

Gene Summary

Gene Symbol	Synonyms	B, Bf, C2, Fb, H2-Bf, AI195813, AI255840
	NCBI ID	14962
	MGI ID	105975
	Ensembl ID	ENSMUSG00000090231
	Human Ortholog	CFB

Model Description

The endogenous mouse *Cfb* gene was replaced by human CFB gene.

Research Application: Immunotherapy, drug screening

*Literature published using this strain should indicate: hCFB mice (Cat. NO. NM-HU-2000078) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

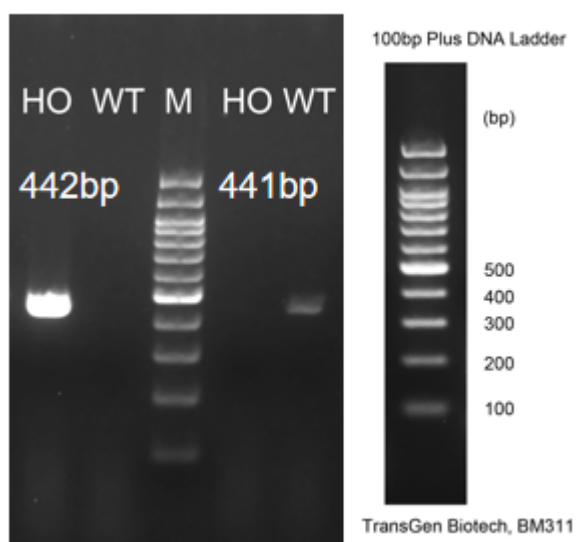


Fig1. Detection of CFB expression in liver by RT-PCR.

Wild type: only one band at 441 bp with primers F1/R1(mCfb);

Homozygous: only one band at 442 bp with primers F2/R2(hCFB);

Abbr. M, DNA marker; HO, homozygous; WT, wild type.

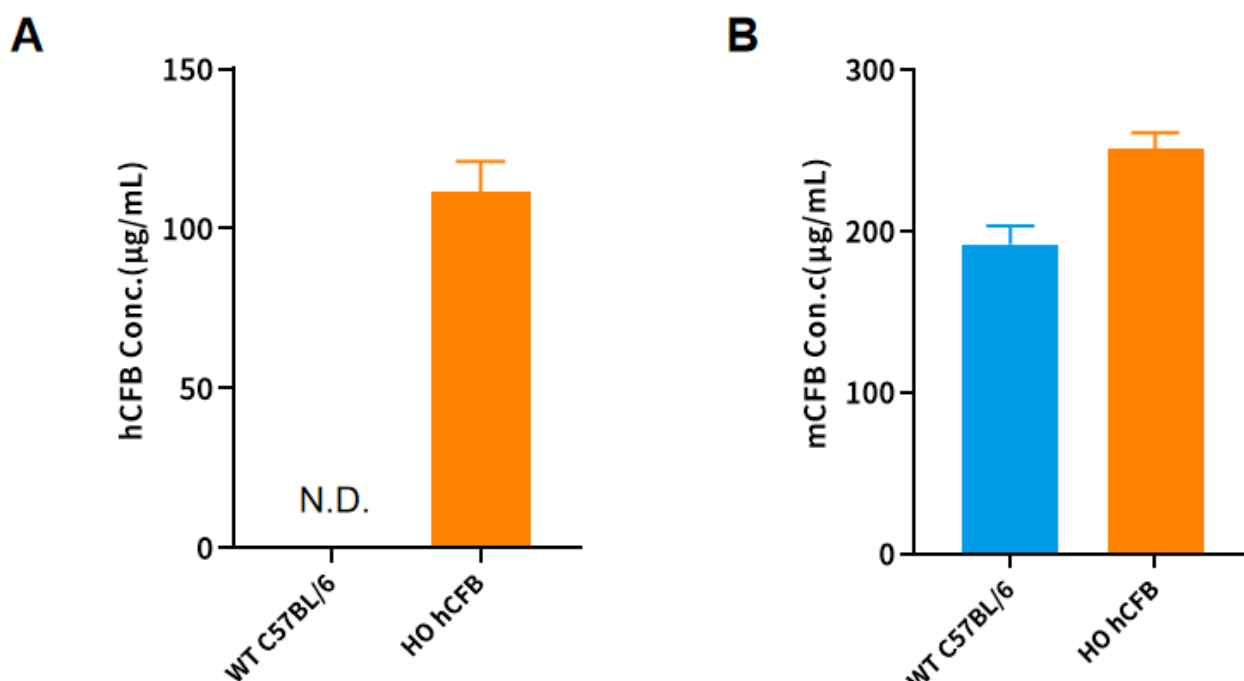


Fig2. Detection of human and mouse CFB expression in serum by ELISA (n=2).

Abbr. HO, homozygous; WT, wild type.

Note: The mouse CFB ELISA kit cross-reacted with mCFB and humanized CFB.

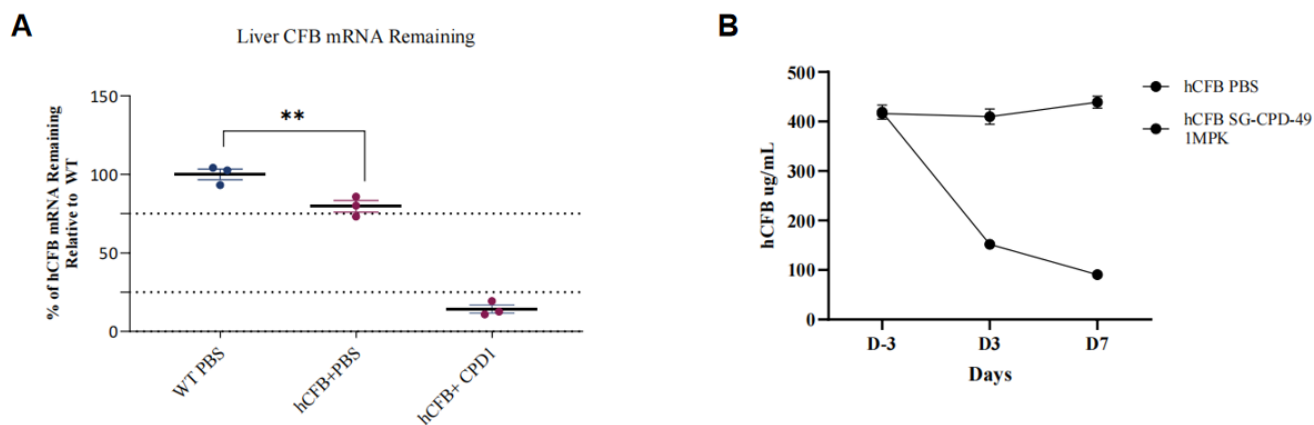


Fig3. Detection of liver CFB mRNA remaining at Day 7 (A) and serum protein level (B) after single dose of test drug (n=3/group). (Data from a collaborator)