

hCFB

品系全名	C57BL/6Smoc- <i>Cfb</i> ^{tm1(hCFB)/Smoc}
目录号	NM-HU-2000078
品系状态	活体

基因信息

基因名	基因曾用名	B, Bf, C2, Fb, H2-Bf, AI195813, AI255840
	NCBI ID	14962
	MGI ID	105975
	Ensembl ID	ENSMUSG00000090231
	基因标记细胞类型举例	气管分泌细胞
	人类同源基因	CFB
	人类同源基因关联疾病	黄斑退化、尿毒症

品系描述

通过同源重组，将小鼠Cfb基因进行人源化修饰。

应用领域：免疫治疗；药物筛选

*使用本品系发表的文献需注明: hCFB mice (Cat. NO. NM-HU-2000078) were purchased from Shanghai Model Organisms Center, Inc..

验证数据

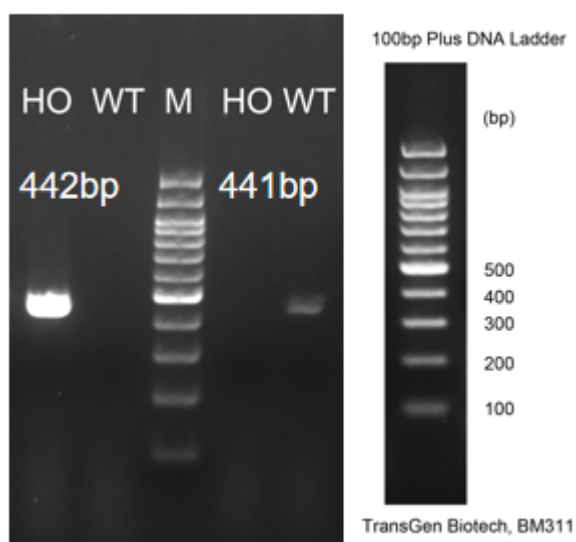


Fig1. Detection of CFB expression in liver by RT-PCR.

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.

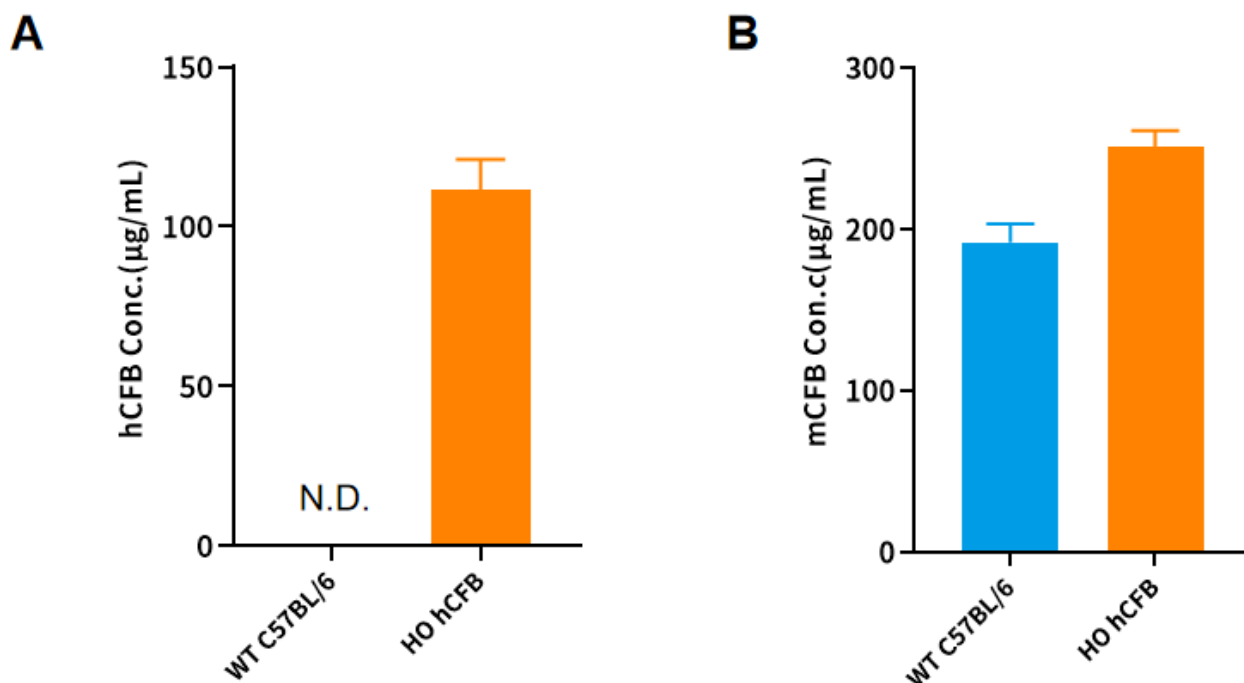


Fig2. Detection of human and mouse CFB expression in serum by ELISA (n=2).

Abbr. HO, homozygous; WT, wild type.

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

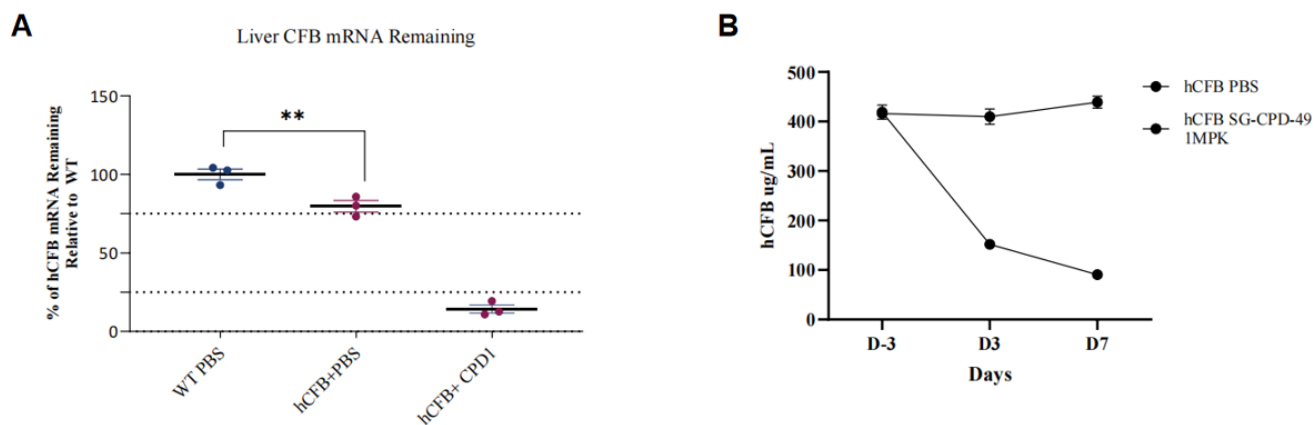


Fig3. Detection of liver CFB mRNA remaining at Day 7 (A) and serum protein level (B) after single dose of test drug (n=3/group). (Data from a collaborator)