

hC5

品系全名	C57BL/6Smoc- <i>Hc</i> ^{em1(hC5)Smoc}
目录号	NM-HU-2000013
品系状态	活体

基因信息

基因名 C5a	基因曾用名	C5, He, C5a, Hfib2
	NCBI ID	15139
	MGI ID	96031
	Ensembl ID	ENSMUSG000000026874
	人类同源基因	C5

品系描述

通过同源重组，将小鼠C5a基因进行人源化修饰。

应用领域：免疫治疗；肿瘤研究；药物筛选

*使用本品系发表的文献需注明: hC5 mice (Cat. NO. NM-HU-2000013) were purchased from Shanghai Model Organisms Center, Inc..

验证数据

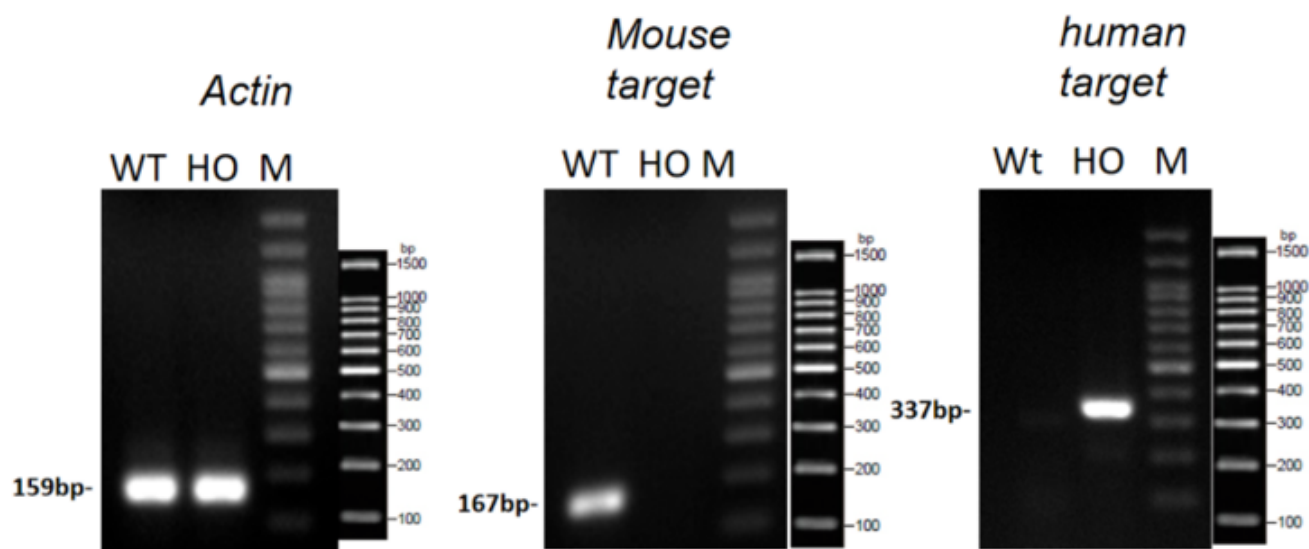


Fig 1. Detection of C5 expression by RT-PCR.

Wild type: only one band at 167 bp with primers F2/R2(mC5);

Homozygous: only one band at 337 bp with primers F1/R1(hC5).

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

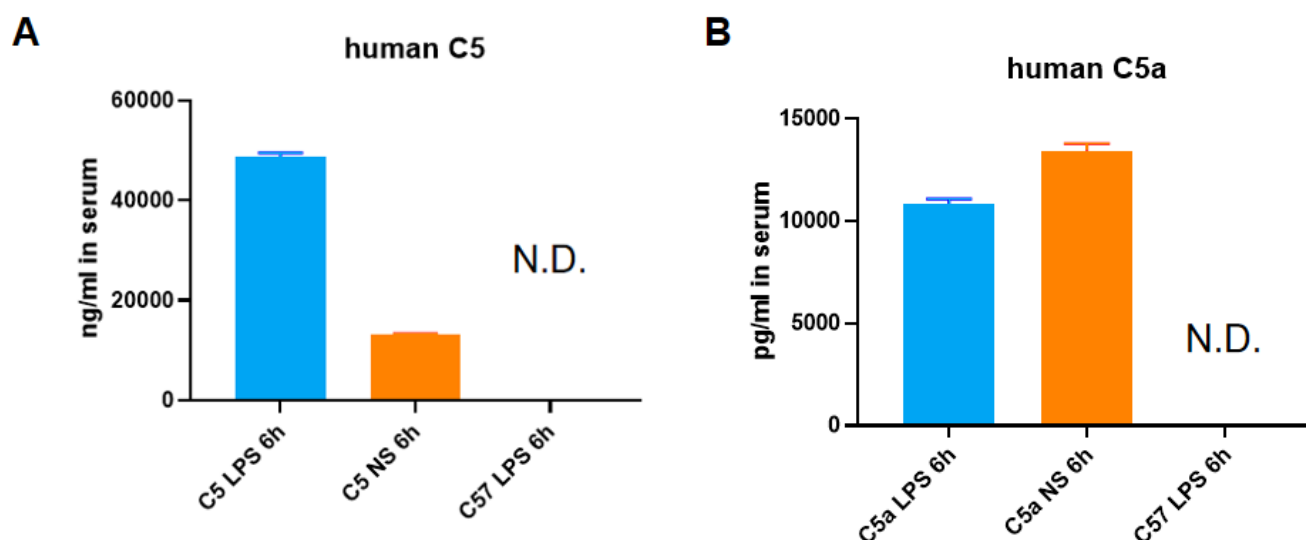


Fig 2. Analysis of humanized C5 and humanized C5a expression in serum in the humanized C5 mouse by ELISA.

The homozygous hC5 KI mice were treated with LPS or NS (3mg/kg, i.p.) for 6 hours.

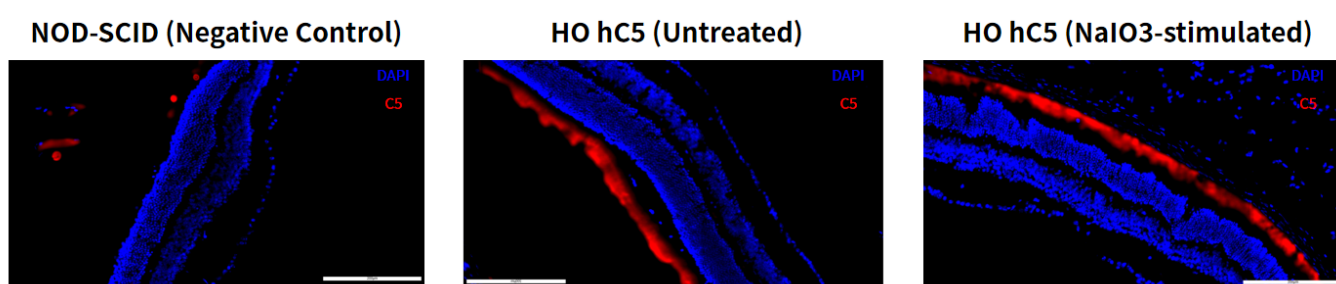


Fig 3. Detection of hC5 expression in eyes in hC5 KI mice by IF (n=3/group).