

hIGHG1

Nomenclature	C57BL/6Smoc- <i>Ighg1</i> ^{tm1(hIGHG1)Smoc}
Cat. NO.	NM-HU-225091
Strain State	Sperm cryopreservation

Gene Summary

Gene Symbol	Synonyms	IgG1, Igh-4
	NCBI ID	16017
	MGI ID	96446
	Ensembl ID	ENSMUSG00000076614
	Human Ortholog	IGHG1

Model Description

The endogenous mouse *Ighg1* gene was replaced by human IGHG1 gene.

*Literature published using this strain should indicate: hIGHG1 mice (Cat. NO. NM-HU-225091) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

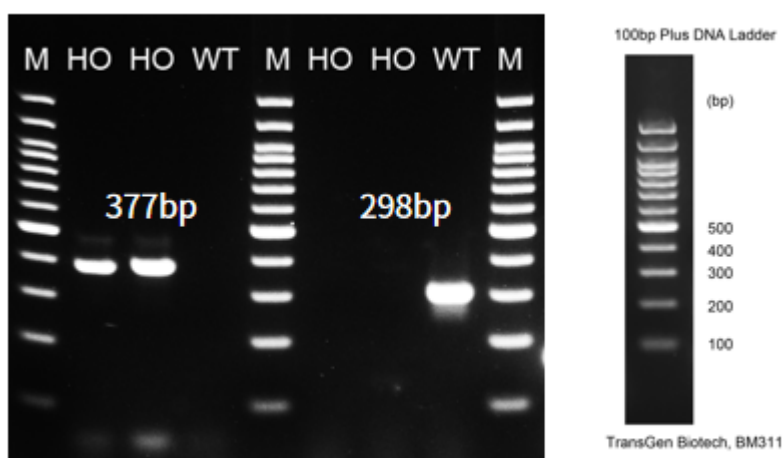


Fig.1 Detection of IGHG1 expression in lung by RT-PCR (8-9wks, male).

Wild type: only one band at 298 bp with primers F1/R1 (mIghg2c);

Homozygous: only one band at 377 bp with primers F2/R2 (hIGHG1).

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

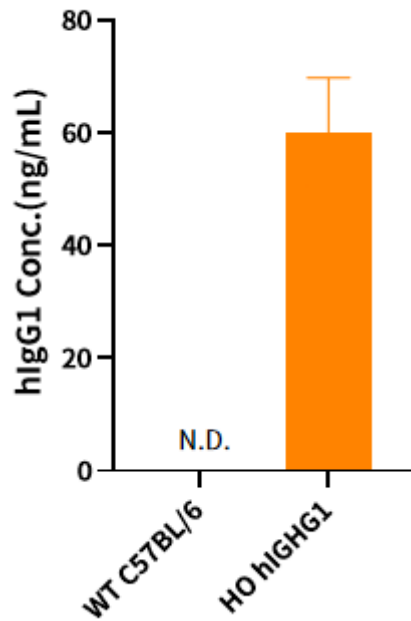


Fig.2 Detection of hIGHG1 expression in serum by ELISA (HO: 6wks, WT: 8-12wks, male, n=3).

Abbr. HO, homozygous; WT, wild type.