

# hID01

品系全名	B6;129S- <i>Ido1</i> <sup>tm1(hID01)Smoc</sup>
目录号	NM-HU-00061
品系状态	活体

## 基因信息

基因名 IDO1	基因曾用名	Ido, Indo
	染色体位置	8
	NCBI ID	<a href="#">15930</a>
	MGI ID	<a href="#">96416</a>
	Ensembl ID	<a href="#">ENSMUSG00000031551</a>
	基因标记细胞类型举例	骨髓干细胞
	人类同源基因	IDO1

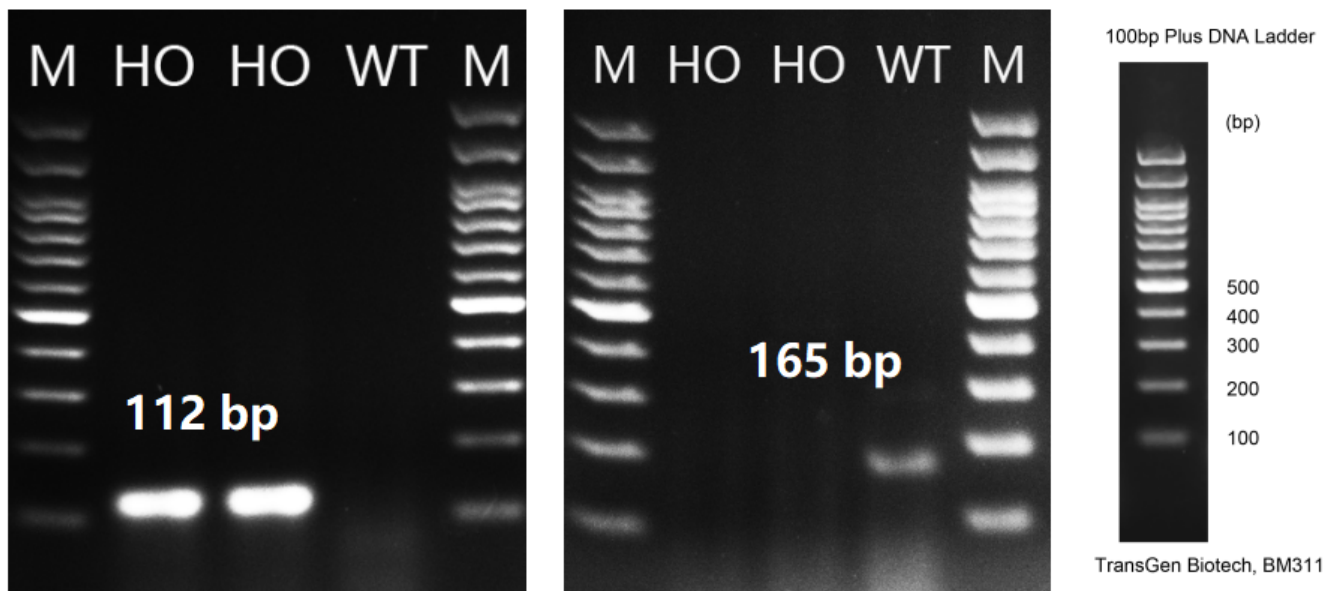
## 品系描述

The endogenous mouse *Ido1* gene was replaced by human IDO1 gene.

**应用领域:** Immunotherapy, cancer research, drug screening

\*使用本品系发表的文献需注明: hID01 mice (Cat. NO. NM-HU-00061) were purchased from Shanghai Model Organisms Center, Inc..

## 验证数据

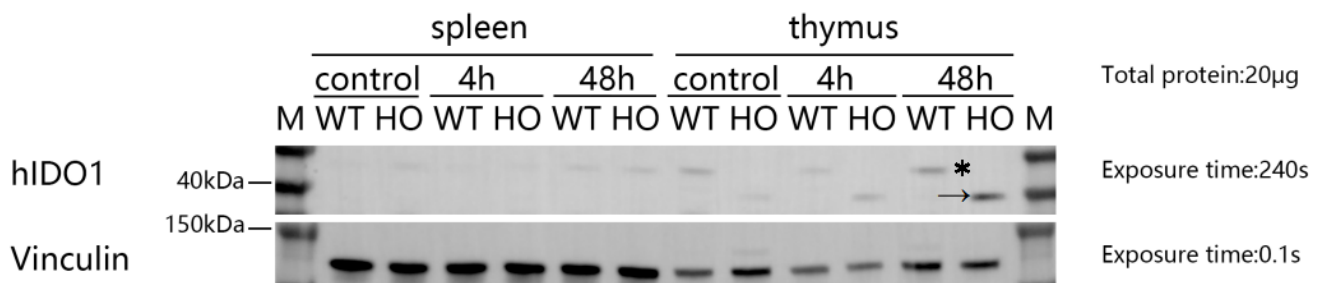


**Fig.1 Detection of *IDO1* expression in the thymus of WT C57BL/6 mice (male, 8-10 weeks old) and hIDO1 knockin mice (male, 9 weeks old) by RT-PCR.**

Wild type: one band at 165 bp with primers F1/R1(*mIdo1*);

Homozygous: only one band at 112 bp with primers F2/R2(*hIDO1*).

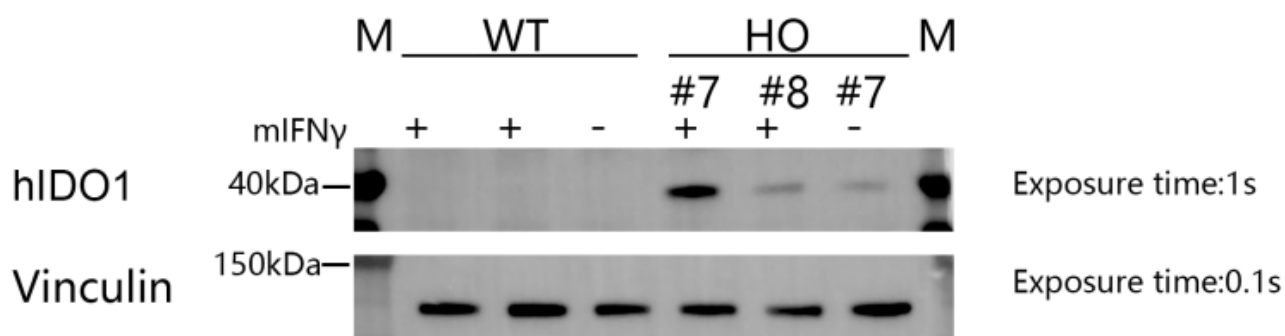
Abbr. M, DNA marker; HO, homozygous; WT, wild type.



**Fig.2 Detection of human *IDO1* expression in WT C57BL/6 mice (male, 20 weeks old) and hIDO1 knockin mice (male, 19 weeks old) by WB.**

Abbr. M, marker; WT, wild type; HO, Homozygous.

Note. Mice were injected intraperitoneally with mouse IFN- $\gamma$  (1.25 mg/kg) and sacrificed at 4 h or 48 h post-injection. Arrow indicates expected molecular weight and asterisk indicates a nonspecific band.



**Fig.3 Detection of human IDO1 expression in splenocytes from WT C57BL/6 mice (female, 8 weeks old) and hIDO1 knockin mice (female, 24 weeks old) by WB.**

Abbr. M, marker; WT, wild type; HO, Homozygous; mIFN $\gamma$ : mouse IFN $\gamma$ .

Note. “+” and “-” indicate that splenocytes were cultured with or without mouse IFN- $\gamma$  (50 ng/mL) for 16 h in vitro, respectively.