

# HEK293T-hCLAUDIN 18.2

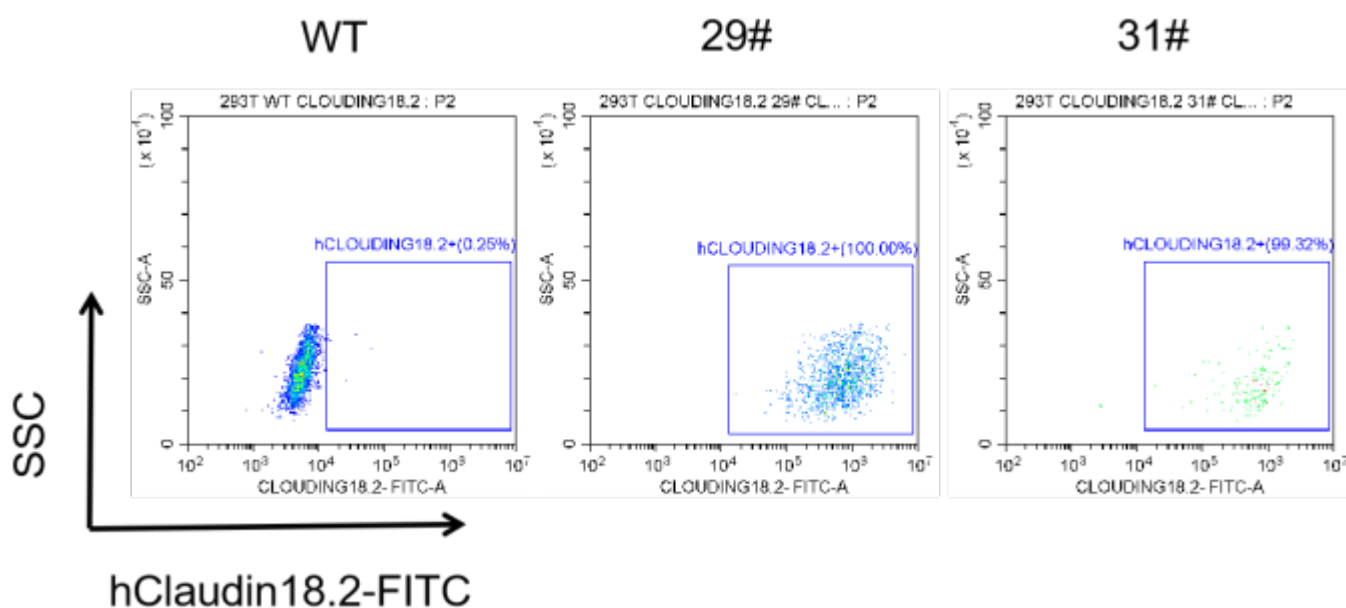
## 品系基本信息

目录号	NM-W04A-TG01
细胞系名称	HEK293T-Tg(hCLAUDIN 18.2)Smoc
品系状态	表达验证完成,成瘤性验证完成
品系描述	CLAUDIN 18.2基因过表达的239T人胚肾上皮细胞  *使用本品系发表的文献需注明: HEK293T-hCLAUDIN 18.2 cell line (Cat. NO. NM-W04A-TG01) was purchased from Shanghai Model Organisms Center, Inc..

## 验证数据

### 1. *In vitro* Expression of HEK293T-hClaudin18.2 cell line

hClaudin18.2 expression was measured in wild-type HEK293T cells and HEK293T-hClaudin18.2 cells by Flow Cytometry. FACS results showed that significant human Claudin18.2 expression on the HEK293T-hClaudin18.2 cell.



**Figure 1. hClaudin18.2 expression in wild-type HEK293T and HEK293T-hClaudin18.2 cell lines**

## 2. Characterization of in vivo growth kinetics

To verify whether there is the difference in tumor formation between the HEK293T -hClaudin18.2 cell line and the wild-type HEK293T cell line, both cells were subcutaneously inoculated into Balb/c nude mice. The tumor growth curve was shown in the Fig 2.

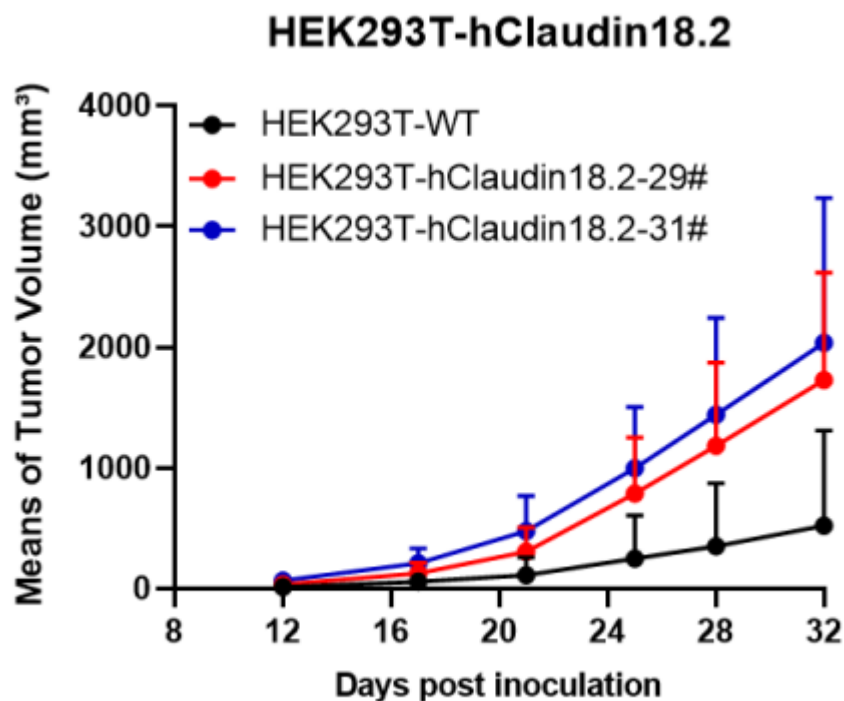
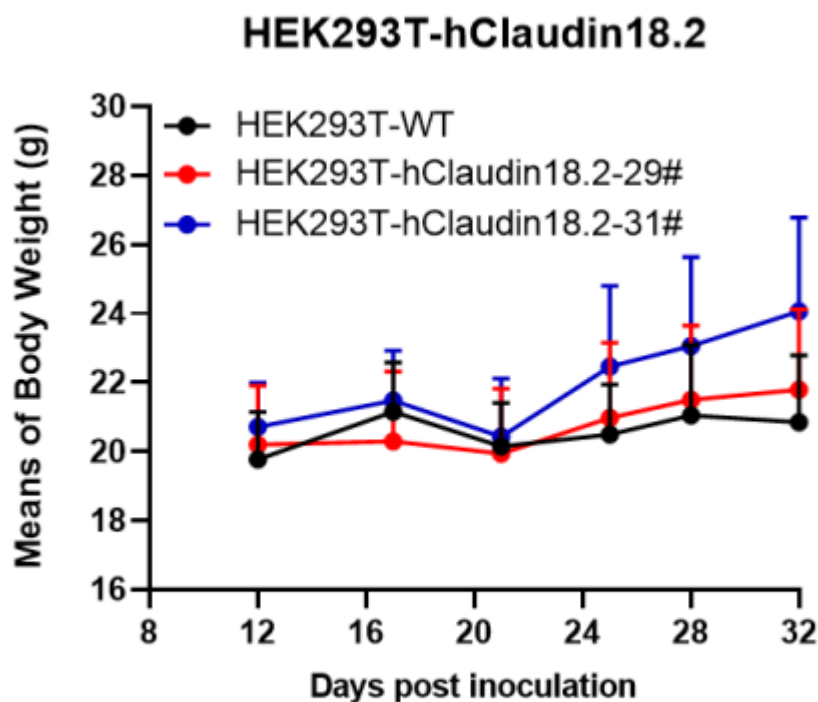


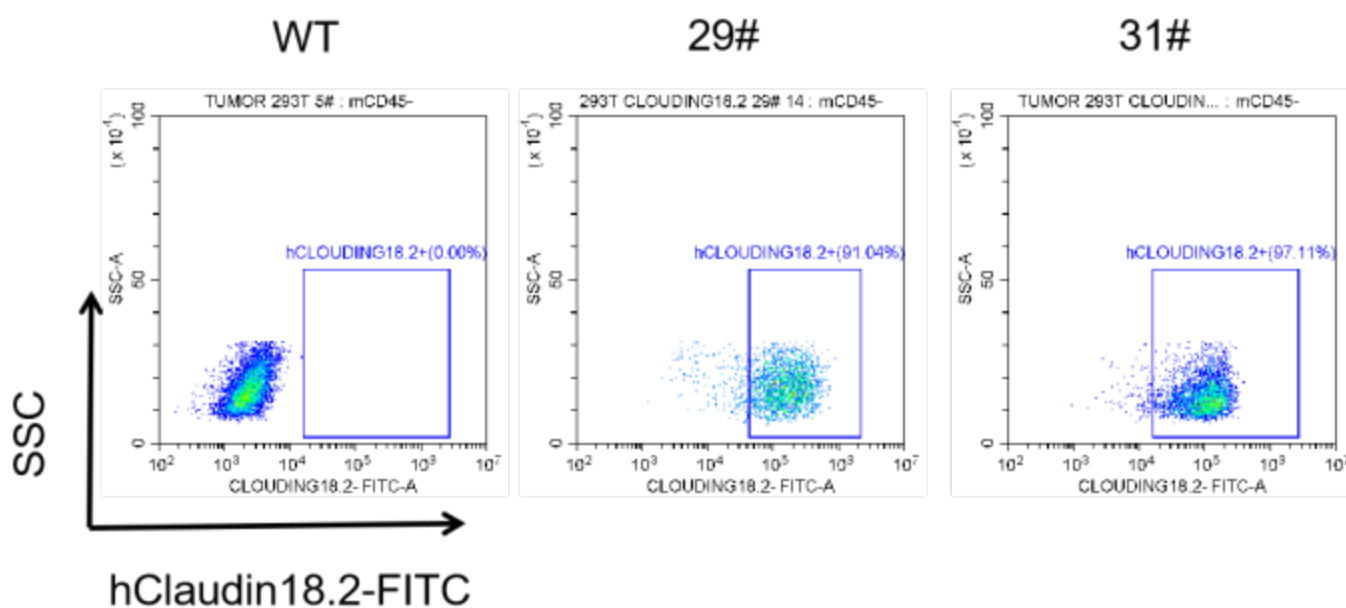
Figure 2. Tumor growth curve of HEK293T and HEK293T-hClaudin18.2 xenograft model (n=4)



**Figure 3. Body weight curve of HEK293T and HEK293T-hClaudin18.2 xenograft model (n=4)**

### 3. Expression of hClaudin18.2 in tumors

To verify the hClaudin18.2 protein expression, the tumors were dissected and separated for single cell suspension. Robust human Claudin18.2 protein expression can be detected in the humanized modified tumors.



**Figure 4. The expression of hClaudin18.2 in humanized modified tumors by FACS**

