

# Cd79a-2A-Cre

将2A-Cre插入到小鼠Cd79a基因终止密码子处。

品系全名	C57BL/6JSmc- <i>Cd79a</i> <sup>em(2A-Cre)Smoc</sup>
目录号	NM-KI-220089
品系状态	活体

## 基因信息

基因名 CD79a	基因曾用名	Iga; Ly54; mb-1; Ly-54; Igalpha; Ig-alpha
	NCBI ID	<a href="#">12518</a>
	MGI ID	<a href="#">101774</a>
	Ensembl ID	<a href="#">ENSMUSG00000003379</a>
	人类同源基因	CD79A

## 品系描述

将2A-Cre插入到小鼠Cd79a基因终止密码子处。

**应用领域:** Cre工具鼠

\*使用本品系发表的文献需注明: Cd79a-2A-Cre mice (Cat. NO. NM-KI-220089) were purchased from Shanghai Model Organisms Center, Inc..

## 验证数据

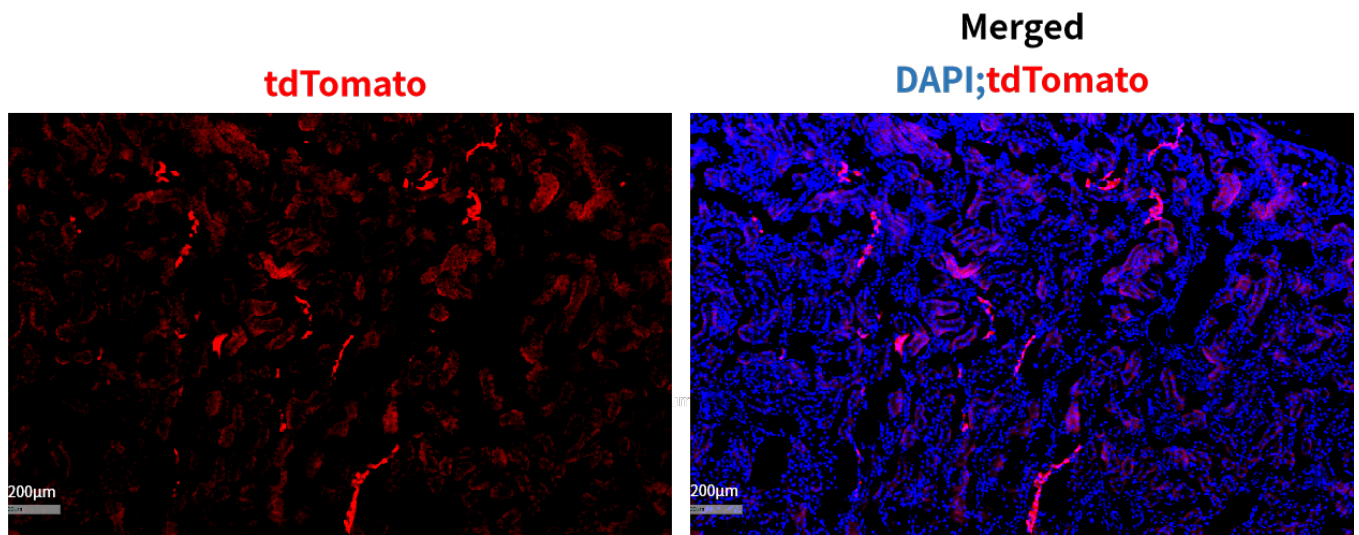


Fig1. Cre mediated recombination in kidney of  $Cd79a^{Cre/+}; Rosa26^{tdTomato/+}$  mouse.

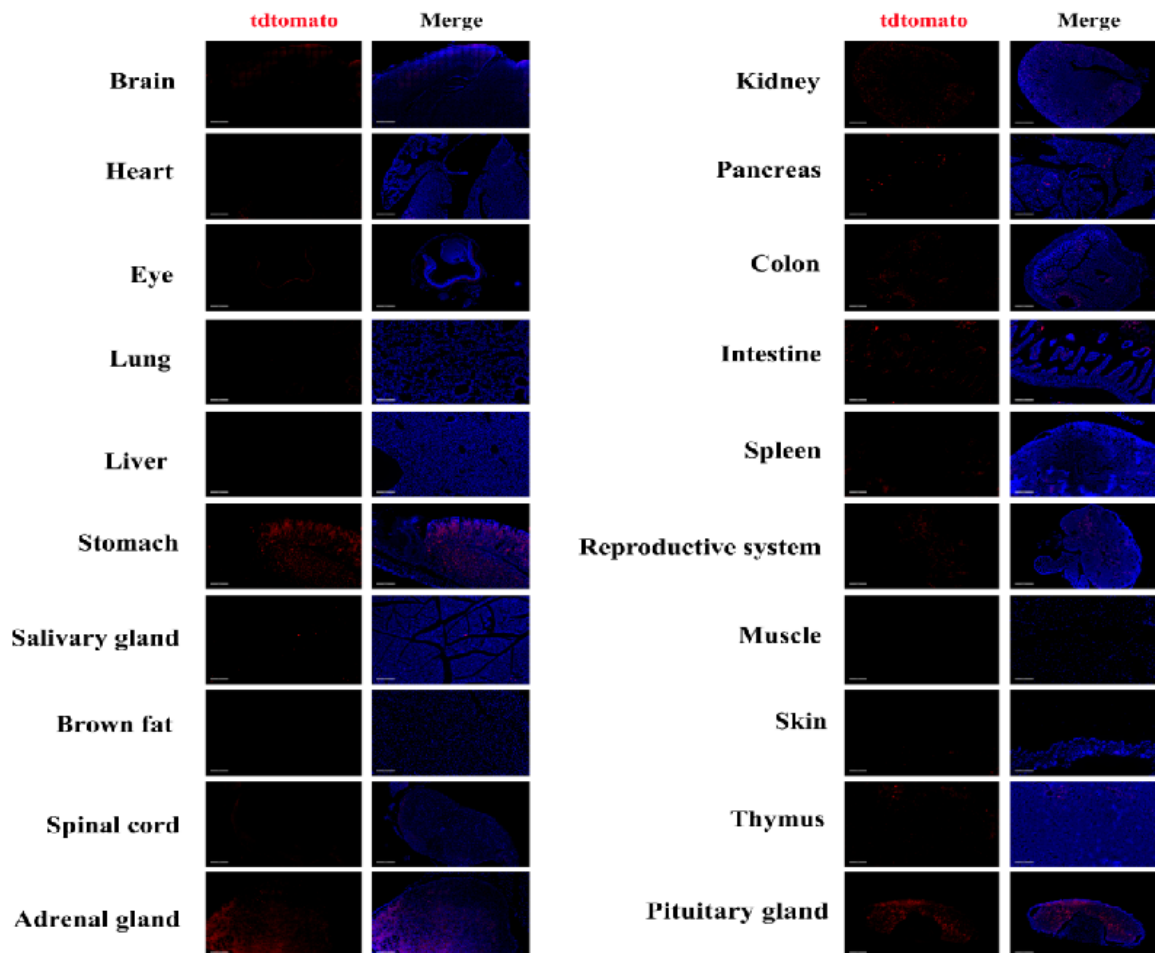
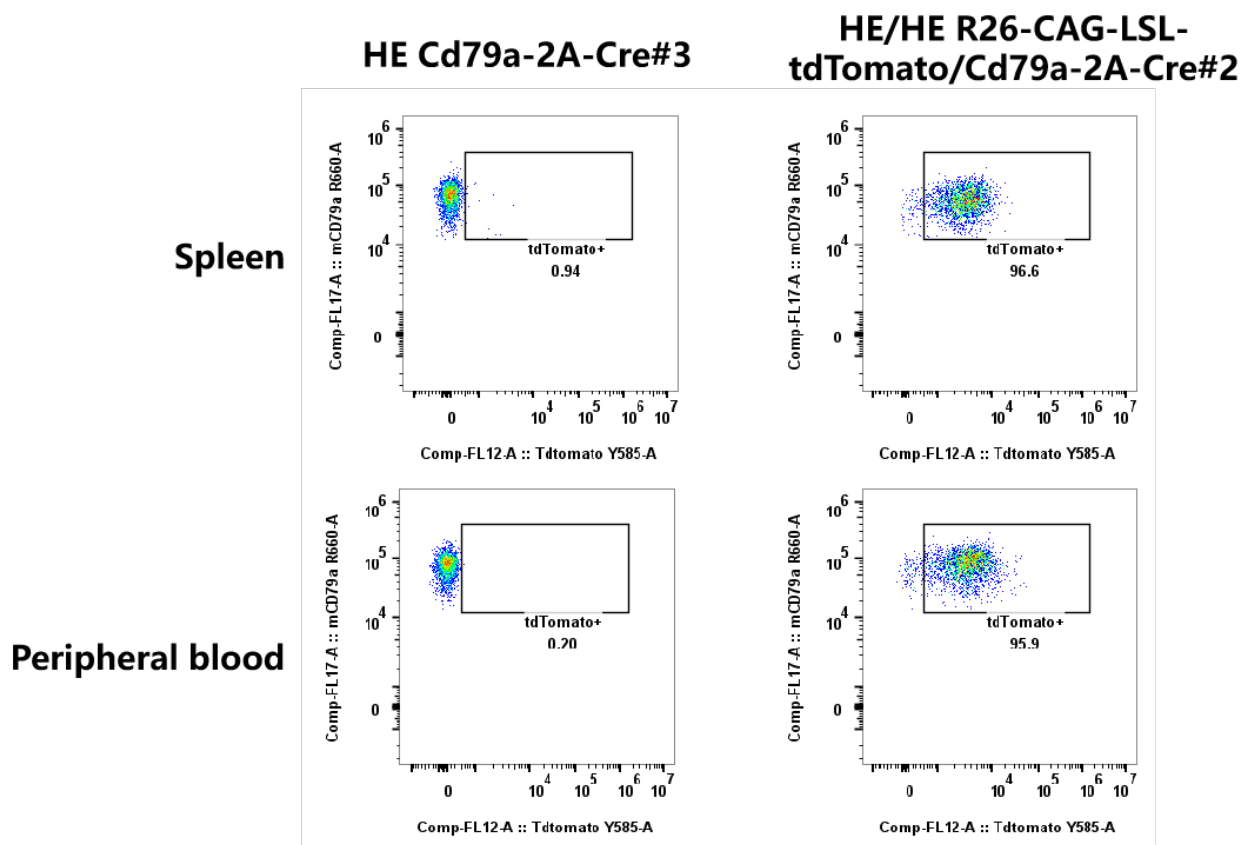


Fig2. Detection of tdTomato(red) in various tissues of  $Cd79a^{Cre/+}; Rosa26^{tdTomato/+}$  mouse.

Tissues expressing tdTomato: stomach, salivary gland, adrenal gland, kidney, pancreas, large intestine, small intestine, spleen, genitalia, thymus, pituitary gland. Low expression in tissues: brain, lung, skin. Non-expressing tissues: heart, eye, liver, brown fat, spinal cord, muscle. (9.6-

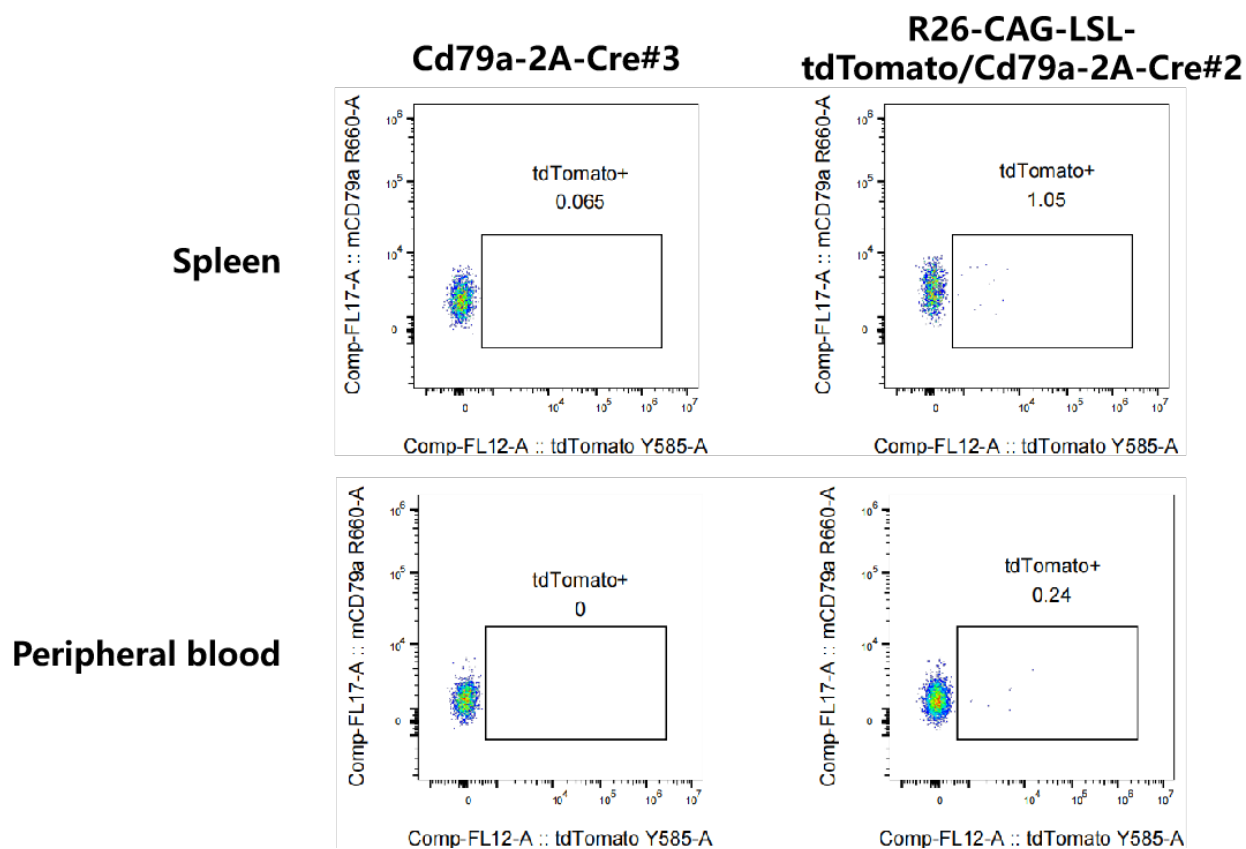
weeks old, female) (For more detailed information please contact our technical advisor.)



**Fig3. Detection of tdTomato expression in CD19+CD79a+ cells of spleen and peripheral blood by FACS.**

Leukocytes were collected from HE Cd79a-2A-Cre mice (male, 16 weeks old) and HE/HE R26-CAG-LSL-tdTomato/Cd79a-2A-Cre mice (male, 4 weeks old), and analyzed by flow cytometry with anti-mCD79a.

Abbr. HE, Heterozygote; WT, wild type.



**Fig4. Detection of tdTomato expression in CD19<sup>-</sup> cells of spleen and peripheral blood by FACS.**

Leukocytes were collected from HE Cd79a-2A-Cre mice (male, 16 weeks old) and HE/HE R26-CAG-LSL-tdTomato/Cd79a-2A-Cre mice (male, 4 weeks old), and analyzed by flow cytometry with anti-mCD79a.

Abbr. HE, Heterozygote; WT, wild type.