

Ncr1-2A-Cre

Nomenclature	C57BL/6Smoc- <i>Ncr1</i> ^{em2(2A-iCre)Smoc}
Cat. NO.	NM-KI-190027
Strain State	Repository Live

Gene Summary

Gene Symbol Ncr1	Synonyms	Ly94; NKp46
	NCBI ID	17086
	MGI ID	1336212
	Ensembl ID	ENSMUSG000000062524
	Human Ortholog	NCR1

Model Description

A 2A-iCre expression cassette was knocked into the Ncr1 gene stop codon site.

Research Application: Cre recombinase tool

*Literature published using this strain should indicate: Ncr1-2A-Cre mice (Cat. NO. NM-KI-190027) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

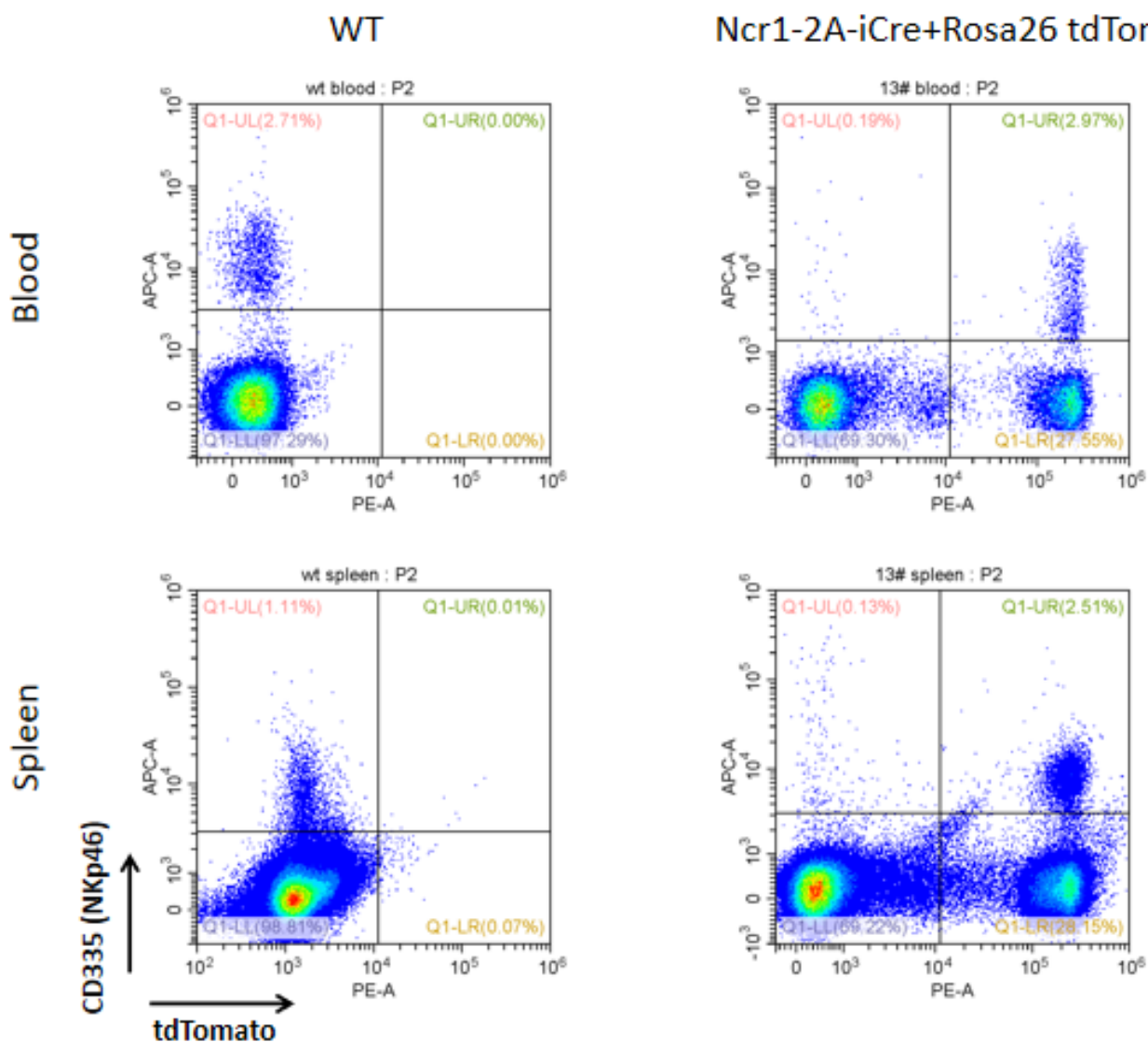


Fig1 Cre-mediated recombination in NK cells derived from spleen and peripheral blood of Ncr1-(2A-iCre);Rosa26 tdTomato mice.

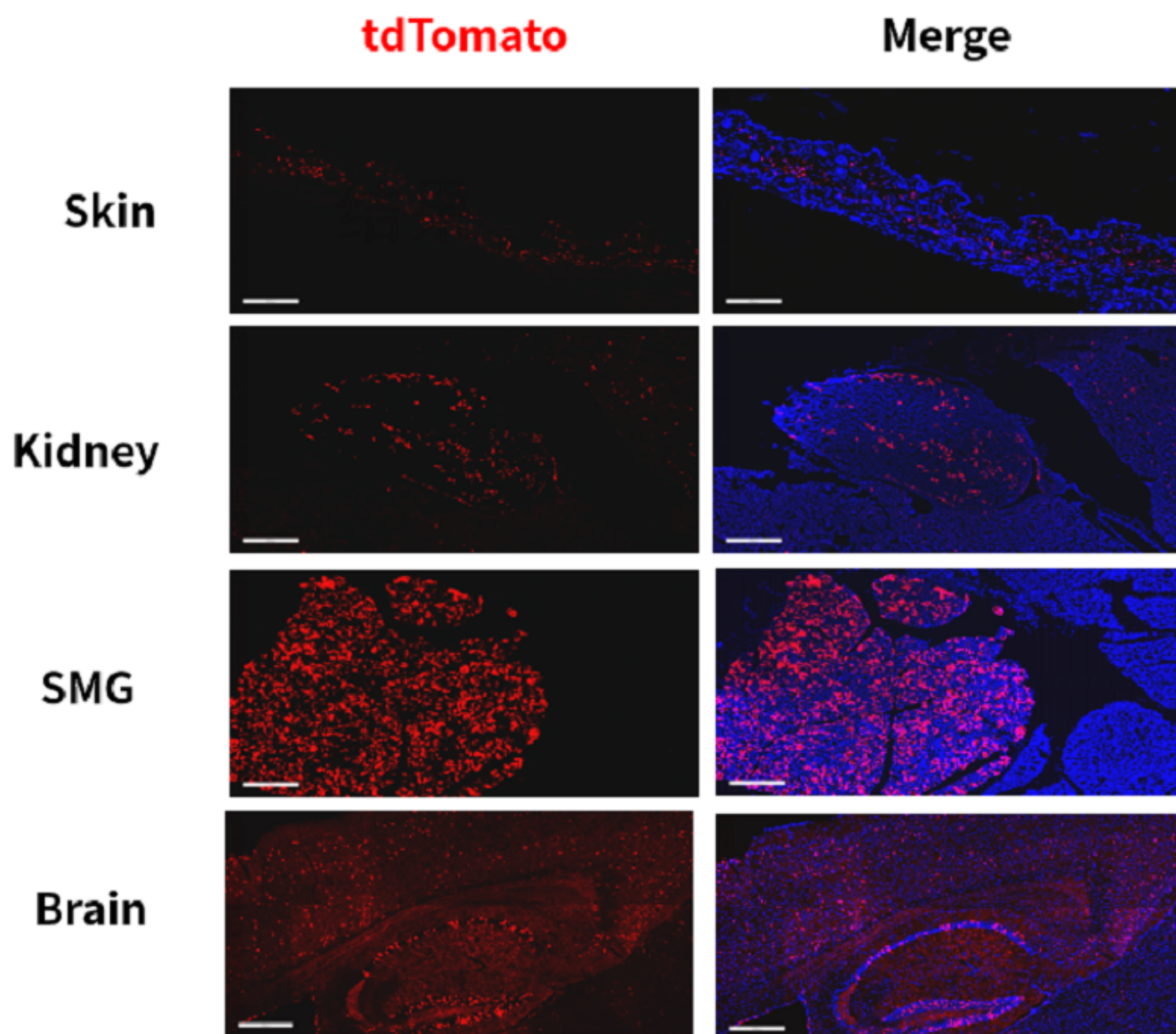


Fig. 2: Detection of tdTomato (red) in some cells of the skin, kidney, submandibular gland(SMG) and brain driven from *Ncr1^{icre/+}; Rosa26^{tdTomato/+}* mice.

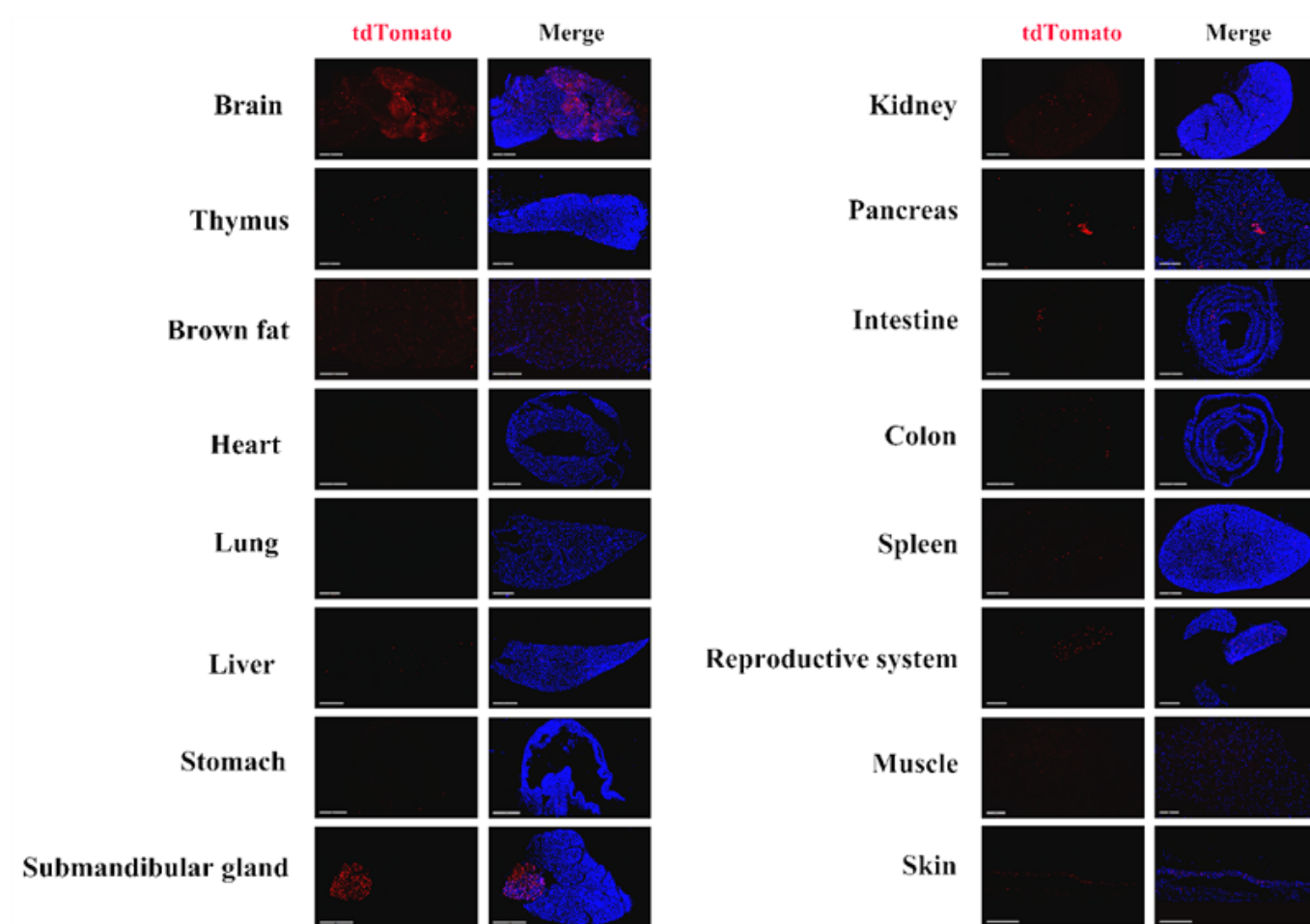


Fig. 3 Detection of tdTomato (red) in various tissues of *Ncr1^{icre/+}; Rosa26tdTomato^{+/+}* mice. Cre-mediated recombination can be detected in some cells of skin, kidney, liver, thymus, spleen, submandibular gland(SMG), brain, pancreas, colon, intestine, brown fat, testis and epididymis. But tdTomato expression can not be observed in the lung, heart or muscle. (For more detailed information please contact our technical advisor.)