

Ncr1-2A-Cre

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

Gene Summary

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|----------------------------|-----------------------|------------------------------------|
| Gene Symbol Ncr1 | Synonyms | Ly94; NKp46 |
| | NCBI ID | 17086 |
| | MGI ID | 1336212 |
| | Ensembl ID | ENSMUSG00000062524 |
| | 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

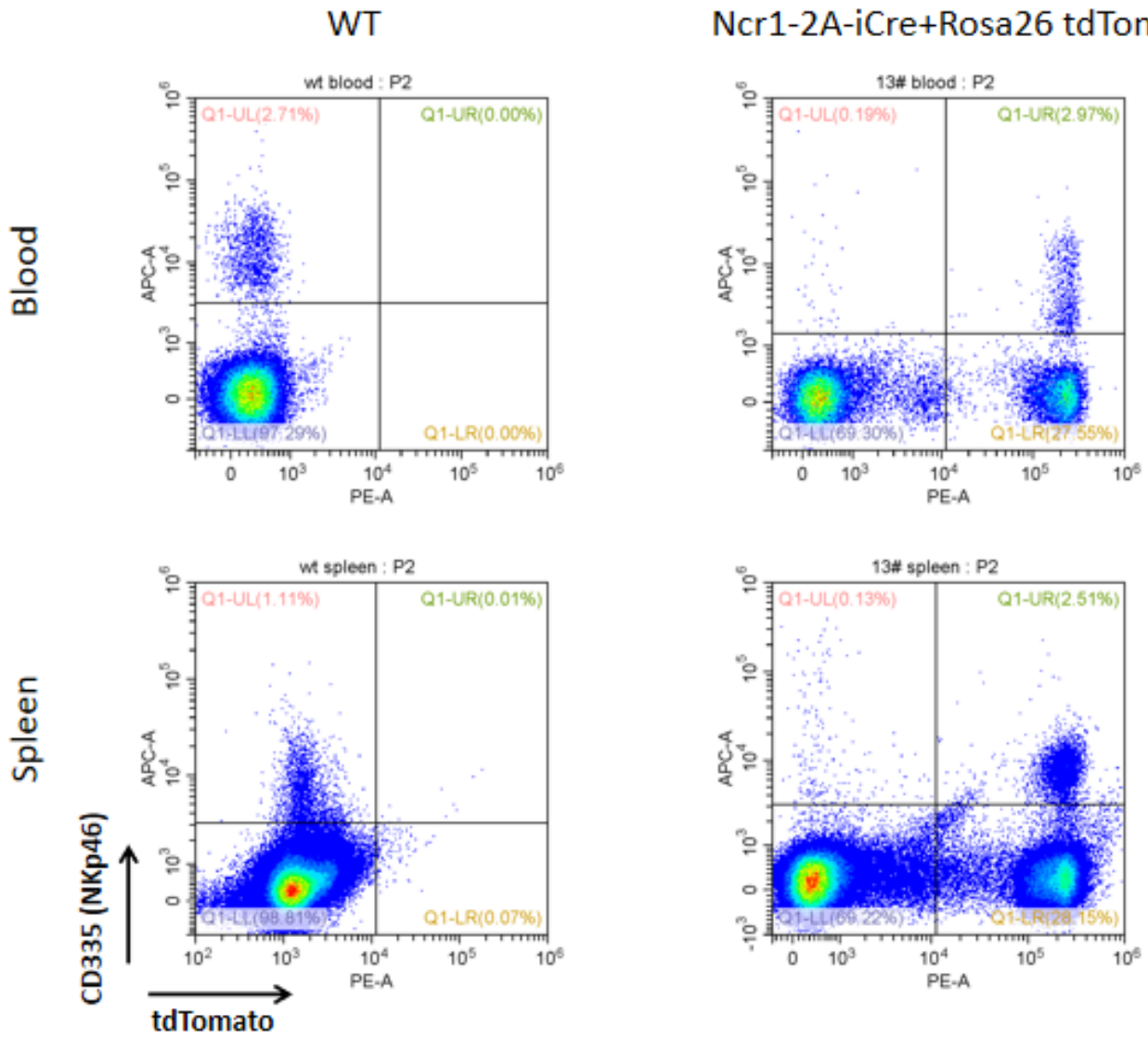


Fig1 Cre-mediated recombination in NK cells derived from spleen and peripheral blood of Ncr1-(2A-iCre);Rosa26 tdTomato mice.

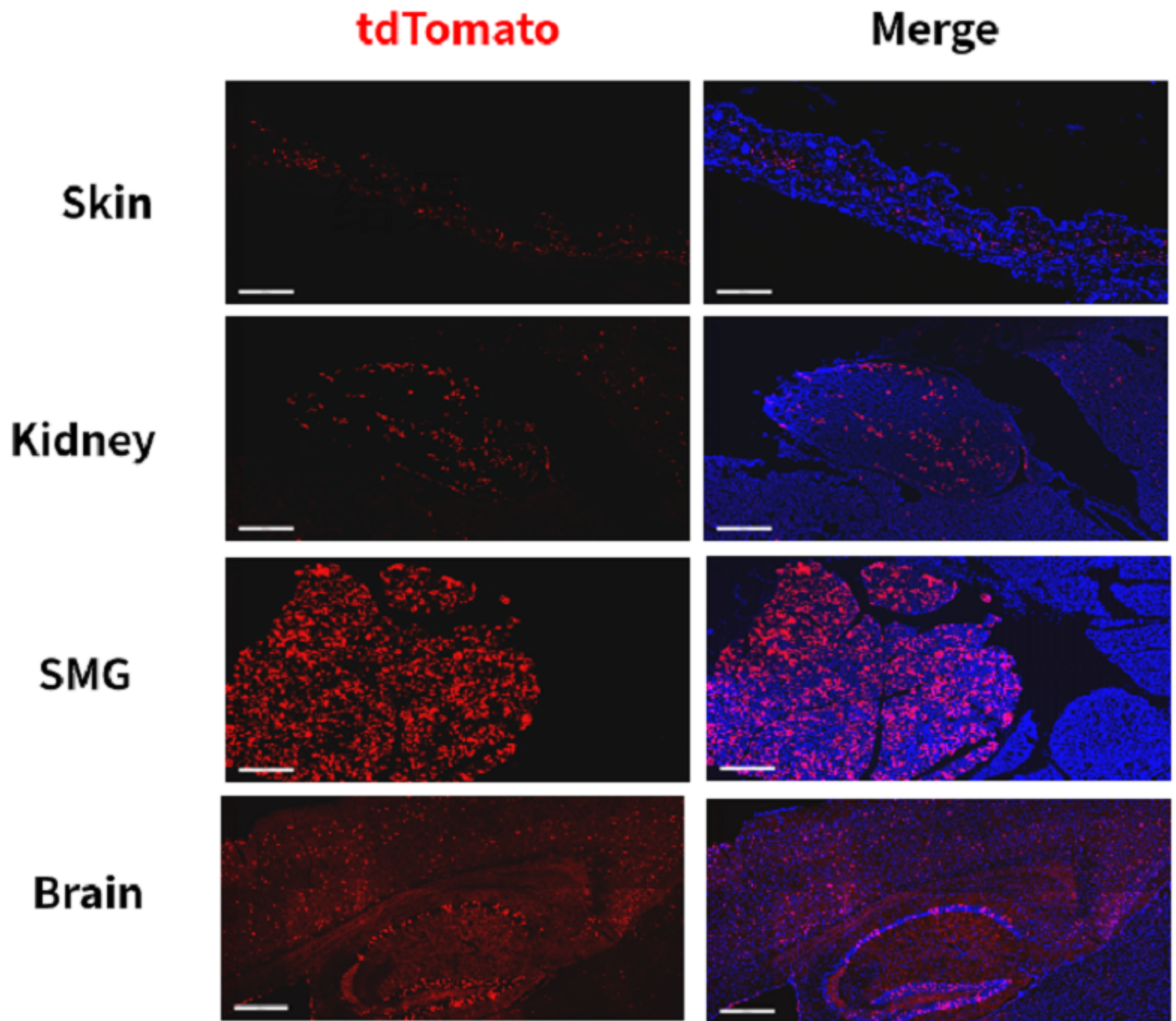


Fig. 2: Detection of tdTomato (red) in some cells of the skin, kidney, submandibular gland(SMG) and brain driven from *Ncr1^{icre/+}; Rosa26^{tdTomato/+}* mice.

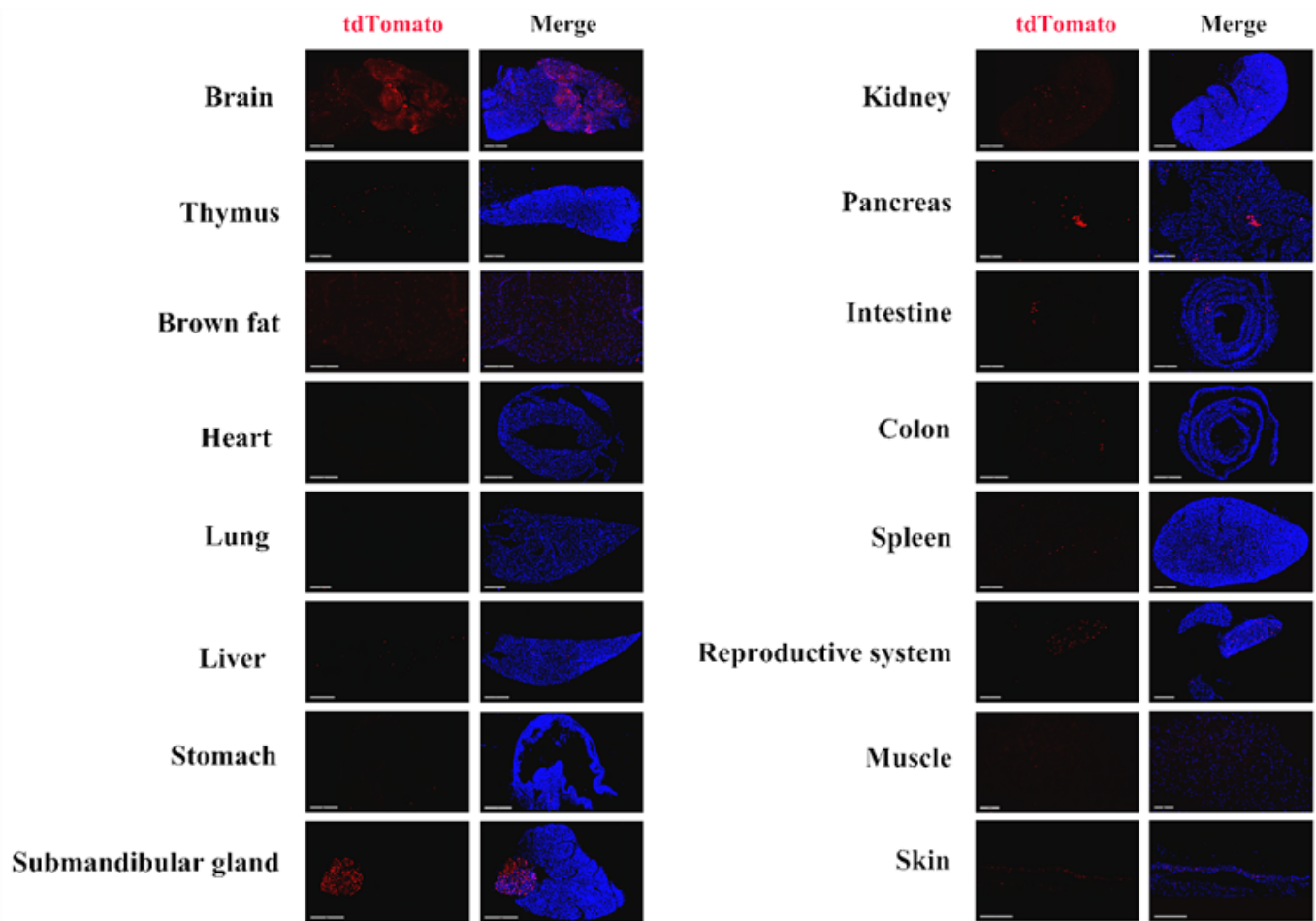


Fig. 3 Detection of tdTomato (red) in various tissues of *Ncr1^{icre/+}; Rosa26tdTomato/+* mice. Cre-mediated recombination can be detected in some cells of skin, kidney, liver, thymus, spleen, submandibular gland(SMG), brain, pancreas, colon, intestine, brown fat, testis and epididymis. But tdTomato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