

# Ly6g-2A-DreERT2

<b>Nomenclature</b>	C57BL/6Smoc- <i>Ly6g</i> <sup>em1(2A-DreERT2)Smoc</sup>
<b>Cat. NO.</b>	NM-KI-190036
<b>Strain State</b>	Sperm cryopreservation

## Gene Summary

<b>Gene Symbol</b> <b>Ly6g</b>	<b>Synonyms</b>	Gr1; Gr-1; Ly-6G
	<b>NCBI ID</b>	<a href="#">546644</a>
	<b>MGI ID</b>	<a href="#">109440</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000022582</a>
	<b>Human Ortholog</b>	LY6G

## Model Description

A 2A-DreERT2 expression cassette was knocked into the Ly6g gene stop codon site via CRISPR/Cas mediated recombination.

**Research Application:** Dre recombinase tool

\*Literature published using this strain should indicate: Ly6g-2A-DreERT2 mice (Cat. NO. NM-KI-190036) were purchased from Shanghai Model Organisms Center, Inc..

## Validation Data

## Ly6g-2A-DreER;ZsGreen

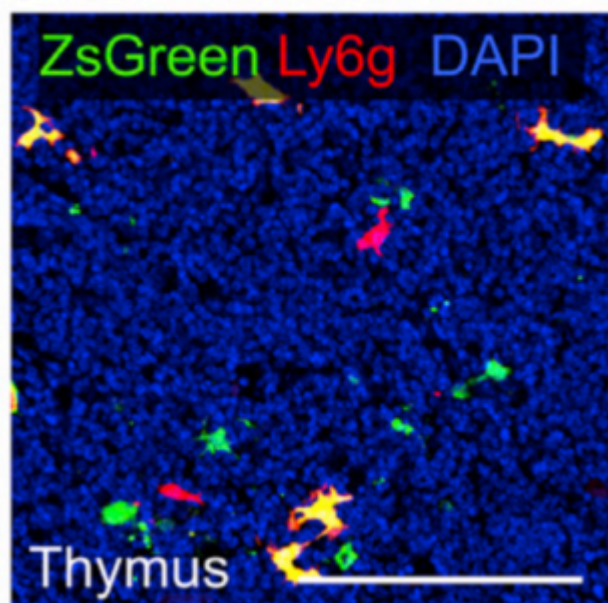


Fig.1 DreERT2-mediated recombination in the thymus of  $\text{Ly6g}^{\text{DreERT2/+}}$ ;  $\text{R26}^{\text{ZsGreen/+}}$  mouse. ZsGreen (green) expression can be detected in the thymus after tamoxifen treatment. (Documented in the following reference.)

## Publications

[A Suite of New Dre-recombinase Drivers Markedly Expands the Ability to Perform Intersectional Genetic Targeting](#)

References: CELL STEM CELL