

Ly6g-2A-DreERT2

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

Gene Summary

Gene Symbol Ly6g	Synonyms	Gr1; Gr-1; Ly-6G
	NCBI ID	546644
	MGI ID	109440
	Ensembl ID	ENSMUSG00000022582
	Human Ortholog	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

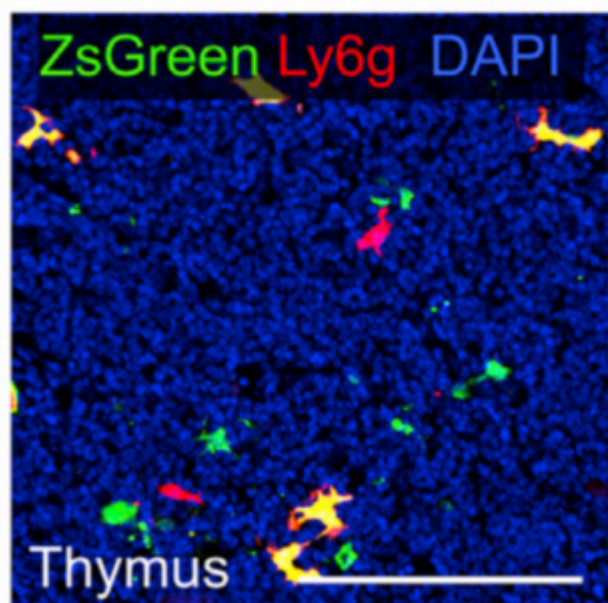


Fig.1 DreERT2-mediated recombination in the thymus of $\text{Ly6g}^{\text{DreERT2/+}}$; $\text{R26}^{\text{ZsGreen/+}}$ mouse. ZsGreen (green) expression can be detected in the thymus after tamoxifen treatment. (Documented in the following reference.)

Publications

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

References: CELL STEM CELL