Ly6g-Cre-2A-tdTomato

Nomenclature	C57BL/6Smoc-*Ly6g*$^{em2(iCre-P2A-tdTomato-polyA)Smoc}$
Cat. NO.	NM-KI-200219
Strain State	Repository Live

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 iCre-P2A-tdTomato-polyA expression cassette was knocked into the Ly6g gene start codon site.
Research Application: Cre tool mice
*Literature published using this strain should indicate: Ly6g-Cre-2A-tdTomato mice (Cat. NO. NM-KI-200219) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

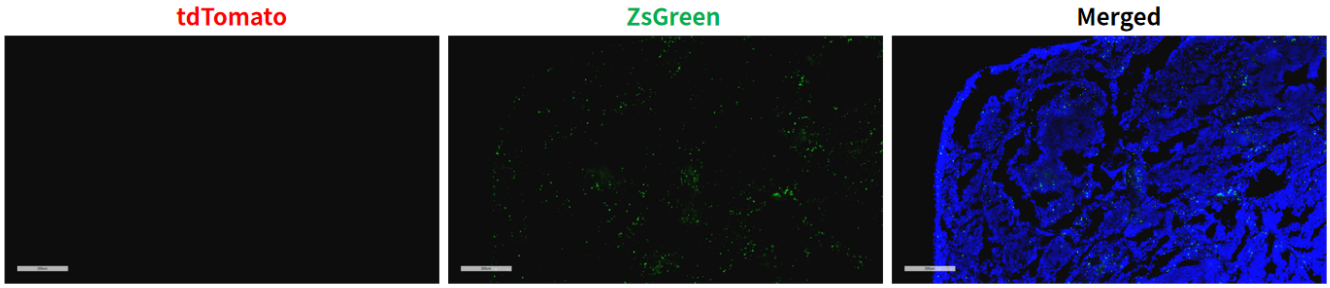

Fig1. Cre mediated recombination in spleen of Ly6g$^{Cre-tdTomato/+}$;Rosa26$^{zsGreen/+}$ mouse.

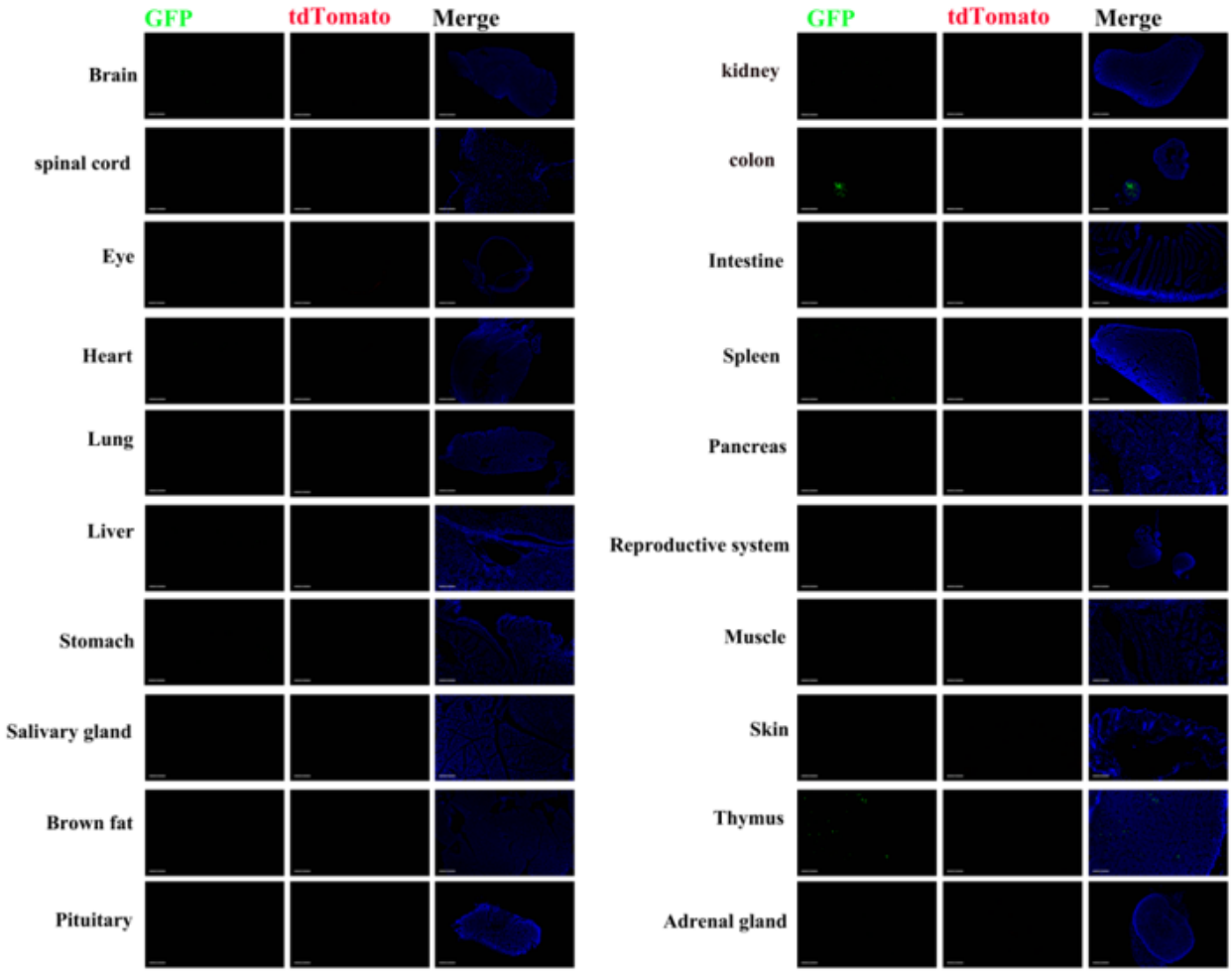

Fig2. Detection of tdTomato(red) and zsGreen(green) in various tissues of Ly6g$^{Cre-tdTomato/+}$;Rosa26$^{zsGreen/+}$ mouse. Expression tissues include: spleen, thymus, colon. A few cells expressed in liver, stomach, kidney, small intestine and adrenal gland. Tissues that unexpressed include brain, spinal cord, eyeballs, heart, lung, salivary glands, brown fat, pituitary gland, pancreas, uterus and ovaries, muscle, skin. (5-week old, female)

No obvious positive signals were detected in the tissue for tdTomato. (For more detailed information please contact our technical advisor.)

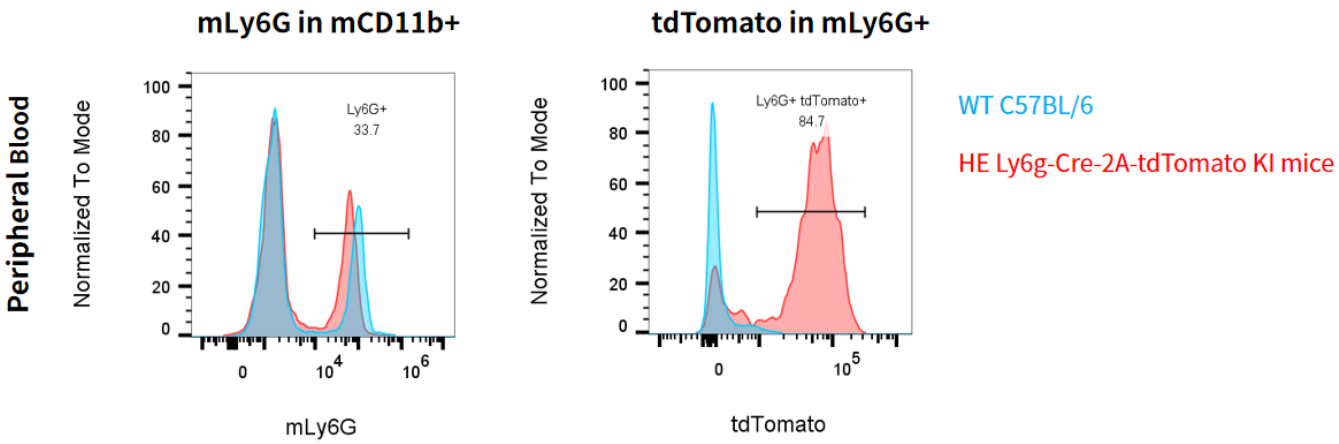

Fig3. Detection of Ly6G and tdTomato expression on neutrophils in peripheral blood in WT and HE Ly6g-Cre-2A-tdTomato KI mice.