Scgb1a1-IRES-Cre

Nomenclature	C57BL/6Smoc-*Scgb1a1*$^{em1(IRES-Cre)Smoc}$
Cat. NO.	NM-KI-210120
Strain State	Repository Live

Gene Summary

Gene Symbol Scgb1a1	**Synonyms**	UG, UGB, Utg, CC10, CC16, CCSP, PCB-BP
	NCBI ID	22287
	MGI ID	98919
	Ensembl ID	ENSMUSG00000024653
	Human Ortholog	SCGB1A1

Model Description

IRES-Cre expression cassette was knocked into the Scgb1a1 gene.
Research Application: These mice express cre recombinase from the Scgb1a1 locus (secretoglobin). This strain may useful for in the research of bronchiolar non-ciliated Clara cells.
*Literature published using this strain should indicate: Scgb1a1-IRES-Cre mice (Cat. NO. NM-KI-210120) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

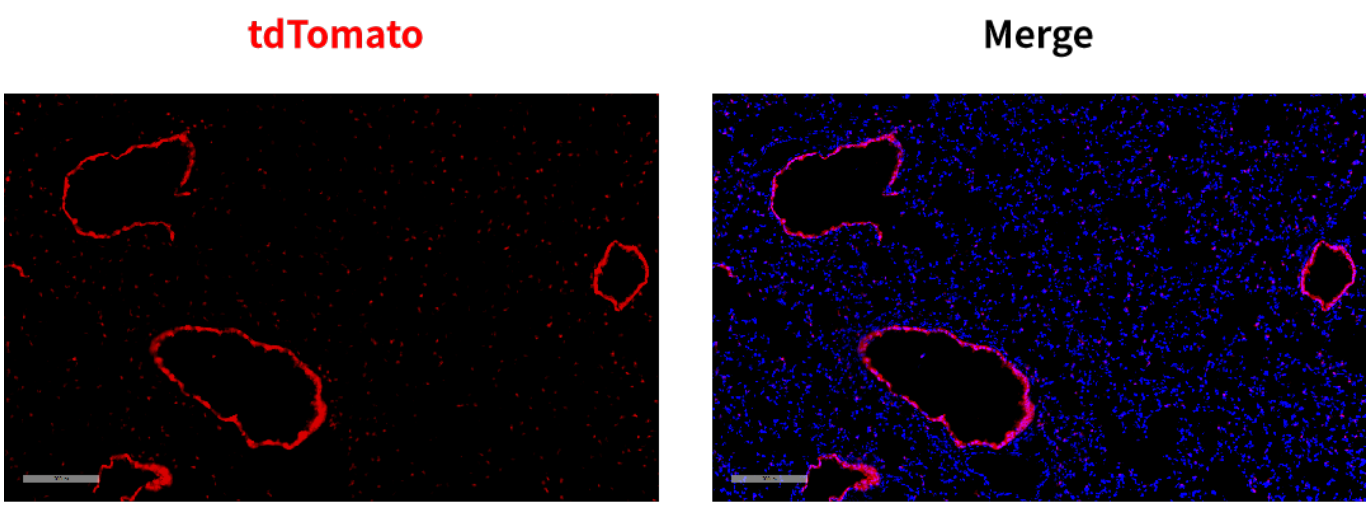

Fig.1 Cre-mediated recombination in the lung of Scgb1a1$^{Cre/+}$; Rosa26$^{tdTomato/+}$ mouse. TdTomato(red) expression can be detected in the bronchial and alveolar cells of Scgb1a1$^{Cre/+}$; Rosa26$^{tdTomato/+}$ mouse.

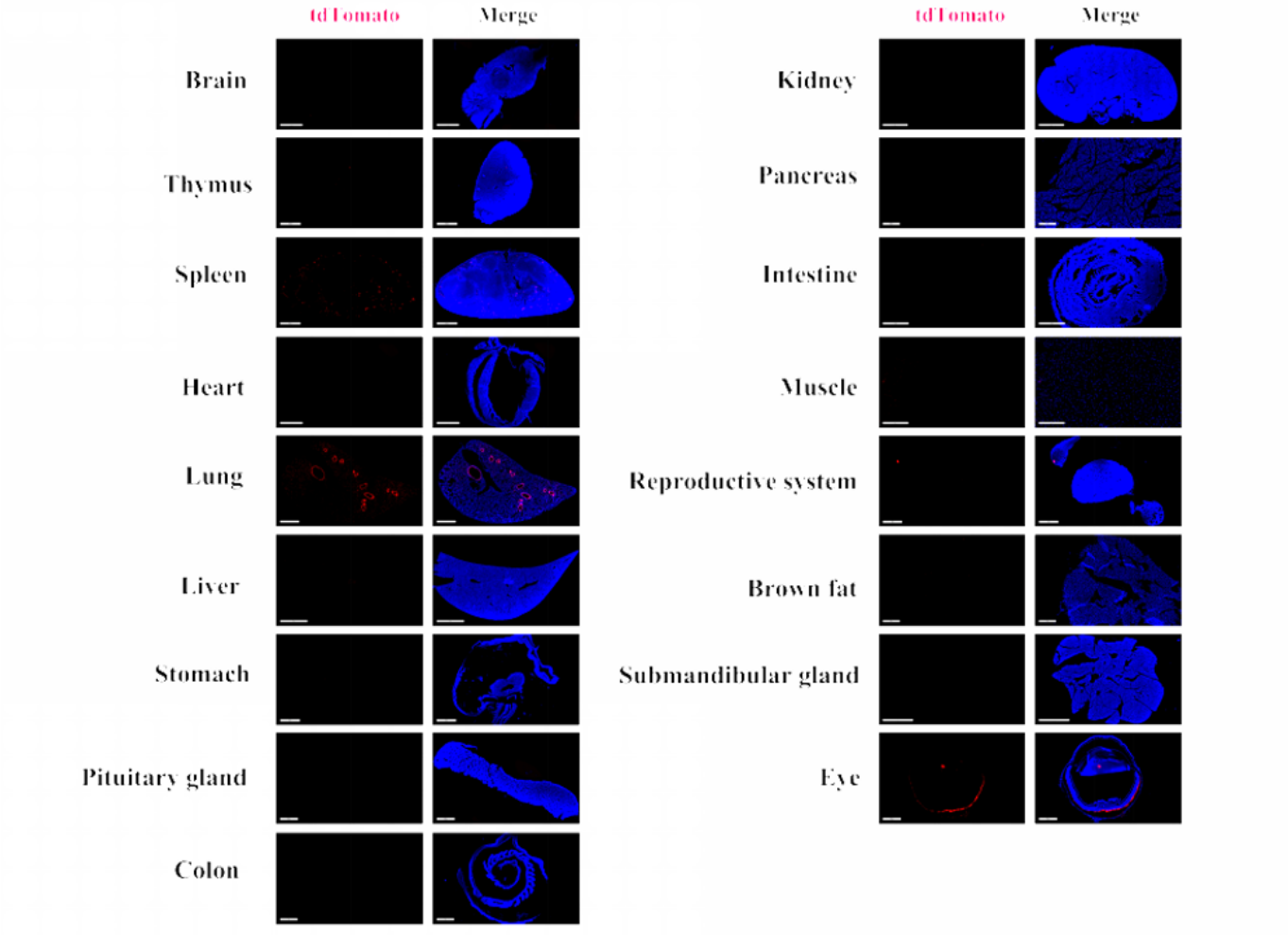

Fig.2 Detection of tdTomato(red) in various tissues of Scgb1a1$^{Cre/+}$; Rosa26$^{tdTomato/+}$ mice. Cre mediated recombination can be detected in the some cells of lung and spleen. Tdtomato can not be detected in the brain, pituitary gland, thymus, heart, stomach, kidney, pancreas, liver,lung, intestine, muscle, brown fats, submandibular gland, testis and epididymis. (For more detailed information please contact our technical advisor.)