

Flt3-2A-DreERT2

Nomenclature	C57BL/6Smoc- <i>Flt3</i> ^{em2(2A-DreERT2)Smoc}
Cat. NO.	NM-KI-190115
Strain State	Sperm cryopreservation

Gene Summary

Gene Symbol Flt3	Synonyms	Flk2; Ly72; wmfl; CD135; Flk-2; Flt-3; B230315G04
	NCBI ID	14255
	MGI ID	95559
	Ensembl ID	ENSMUSG00000042817
	Human Ortholog	FLT3

Model Description

A 2A-DreERT2 expression cassette was knocked into the Flt3 gene stop codon site.

Research Application: Tool Mice

*Literature published using this strain should indicate: Flt3-2A-DreERT2 mice (Cat. NO. NM-KI-190115) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

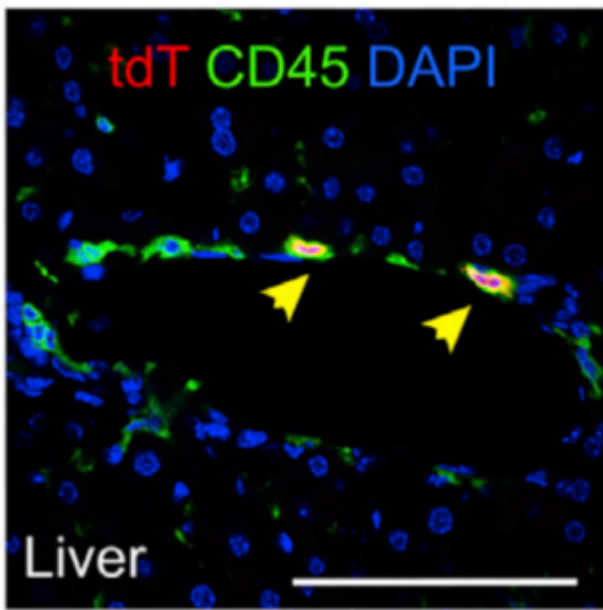
Flt3-2A-DreER;tdT

Fig.1 DreERT2-mediated recombination in the liver of $Flt3^{DreERT2/+}; R26^{tdTomato/+}$ mouse. TdTomato⁺ cells (red) were colocalized with CD45⁺ cells (green) in the liver of $Flt3^{DreERT2/+}; R26^{tdTomato/+}$ mouse 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