

# Cd8a-IRES-DTRGFP

系統名	C57BL/6Smoc- <i>Cd8a</i> <sup>em2(IRES-DTREGFP)Smoc</sup>
SMOC番号	NM-KI-190045
維持形態	Repository Live

## 遺伝子の概要

Gene Symbol Cd8a	Synonyms	Ly-2; Ly-B; Ly-35; Lyt-2; BB154331
	NCBI ID	<a href="#">12525</a>
	MGI ID	<a href="#">88346</a>
	Ensembl ID	<a href="#">ENSMUSG00000053977</a>
	Human Ortholog	CD8A

## 説明

A IRES-DTREGFP expression cassette was knocked into the Cd8a gene stop codon site.

**応用分野:** DTR mouse

\*Literature published using this strain should indicate: Cd8a-IRES-DTRGFP mice (Cat. NO. NM-KI-190045) were purchased from Shanghai Model Organisms Center, Inc..

## 表現型データ

### EGFP expression

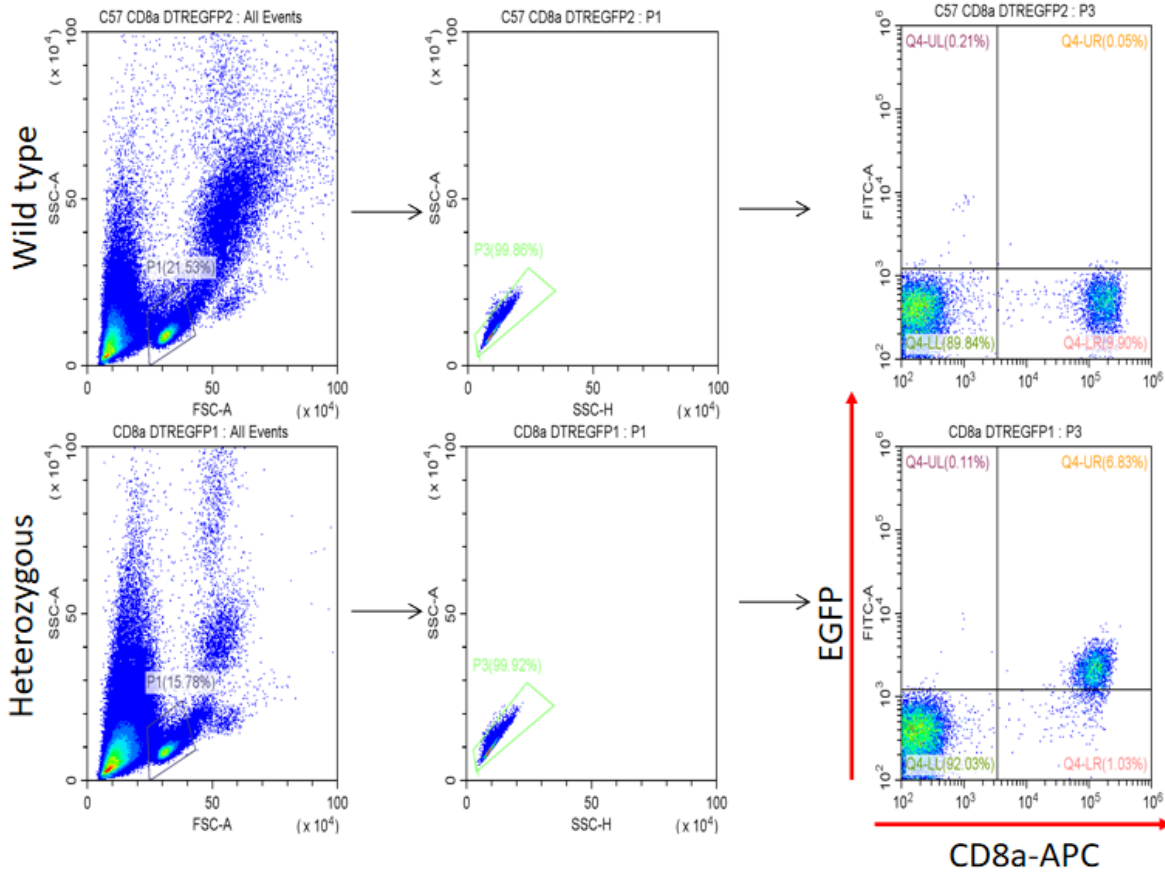


Fig1. Validation EGFP expression in PBMC by FACS.(Cooperation with CrownBio)

### Validation data of DTR function

Heterozygous CD8a-IRES-DTRGFP mice and C57BL/6 mice were inoculated with MC38 colon cancer cells. After the tumors grew to 100 mm<sup>3</sup>, the CD8a-IRES-DTRGFP mice were injected with Diphtheria toxin.

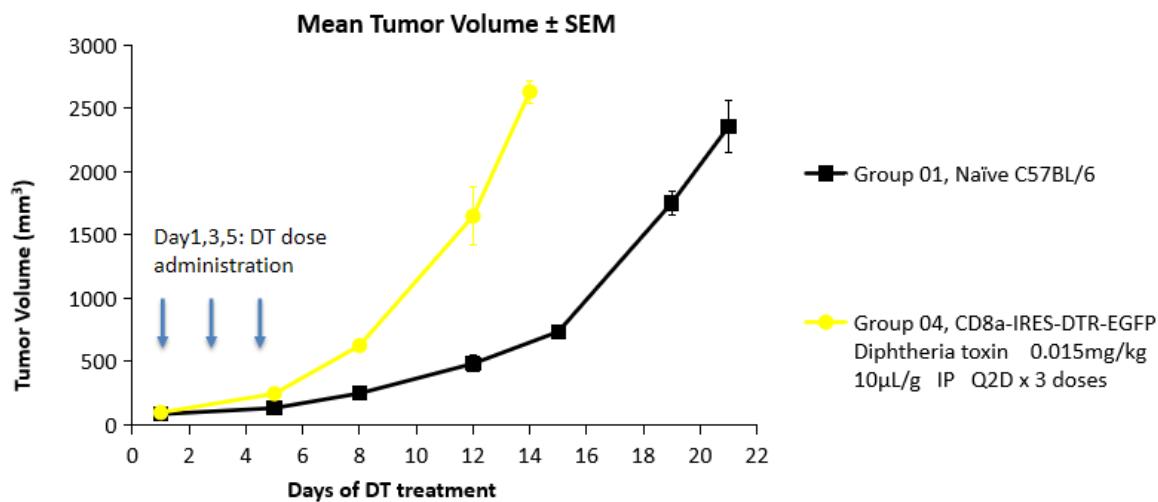


Fig2. The growth of MC38 tumors in Heterozygous CD8a-IRES-DTRGFP mice and C57BL/6 mice. (Cooperation with CrownBio)

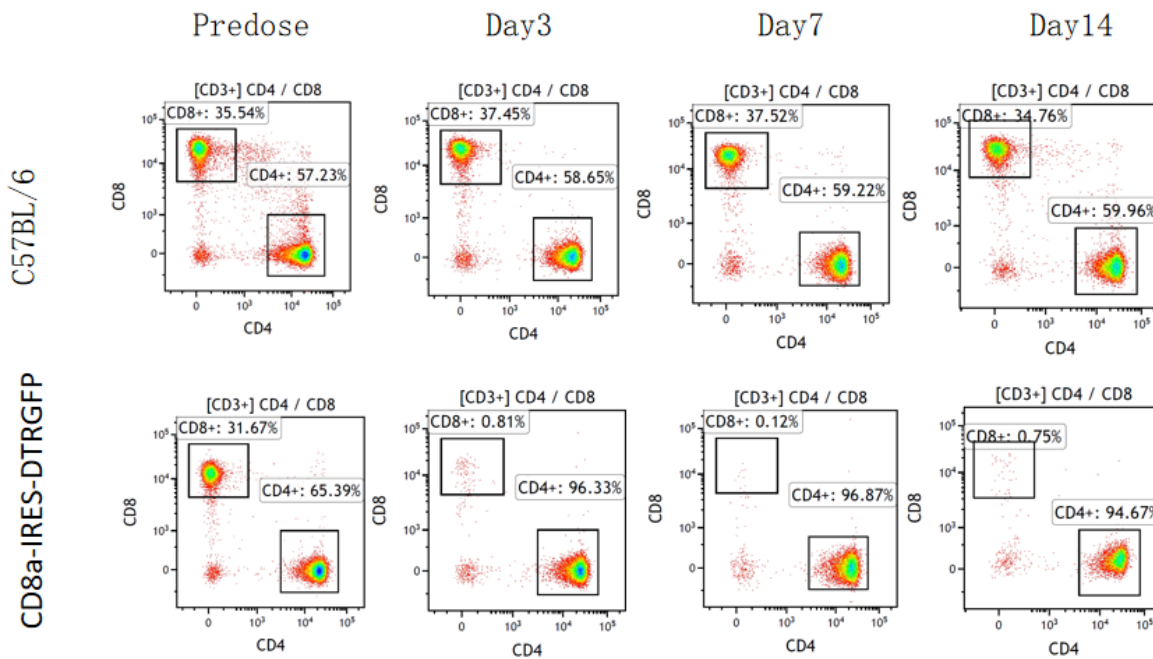


Fig3. The percent of CD8+ T cell in peripheral blood of MC38 tumor-bearing CD8a-IRES-DTRGFP mice and C57BL/6 mice is detected by FACS. (Cooperation with CrownBio)

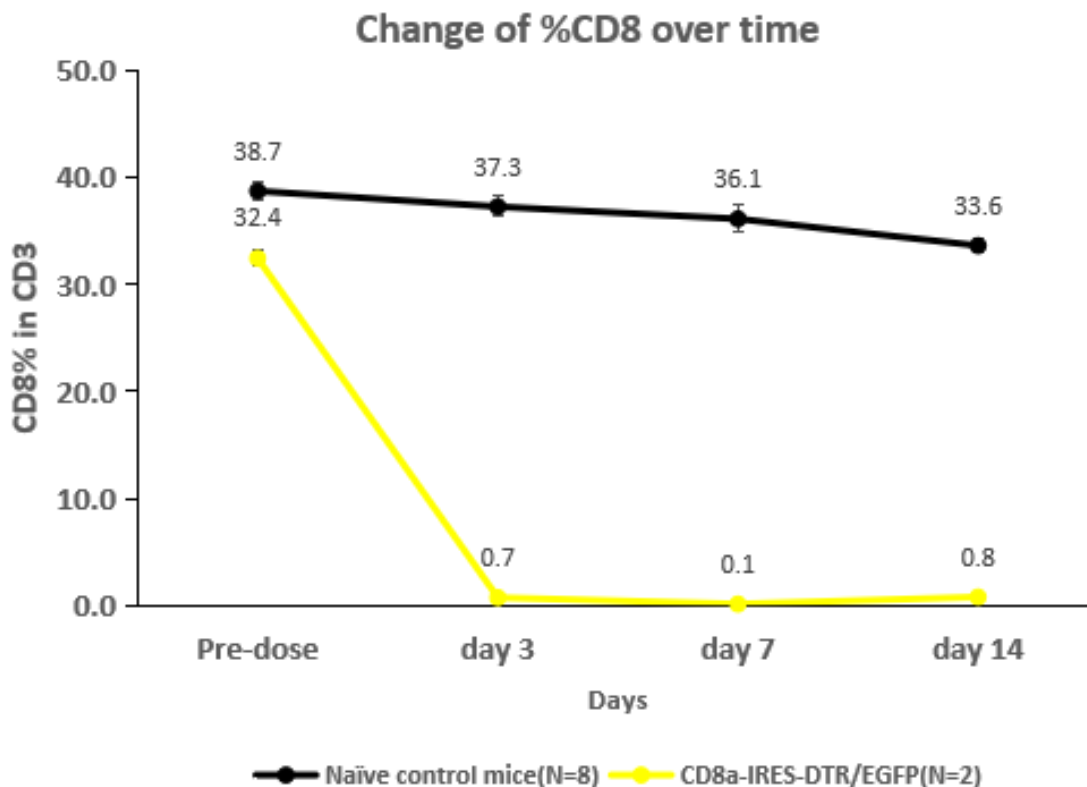


Fig4. The percent of CD8+ T cell in peripheral blood of MC38 tumor-bearing CD8a-IRES-DTRGFP mice and C57BL/6 mice is detected by FACS. Nearly complete depletion was achieved only after 1 dose administration of DT and the depletion effect lasted to day 14. (Cooperation with

CrownBio)

---