

# Cd19-IRES-DTRGFP

<b>Nomenclature</b>	C57BL/6Smoc- <i>Cd19</i> <sup>em2(IRES-DTREGFP)Smoc</sup>
<b>Cat. NO.</b>	NM-KI-190042
<b>Strain State</b>	Repository Live

## Gene Summary

<b>Gene Symbol</b> CD19	<b>Synonyms</b>	AW495831
	<b>NCBI ID</b>	<a href="#">12478</a>
	<b>MGI ID</b>	<a href="#">88319</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000030724</a>
	<b>Human Ortholog</b>	CD19

## Model Description

A IRES-DTREGFP expression cassette was knocked into the Cd19 gene stop codon site.

**Research Application:** DTR mouse

\*Literature published using this strain should indicate: Cd19-IRES-DTRGFP mice (Cat. NO. NM-KI-190042) were purchased from Shanghai Model Organisms Center, Inc..

## Validation Data

### Validation data of EGFP expression

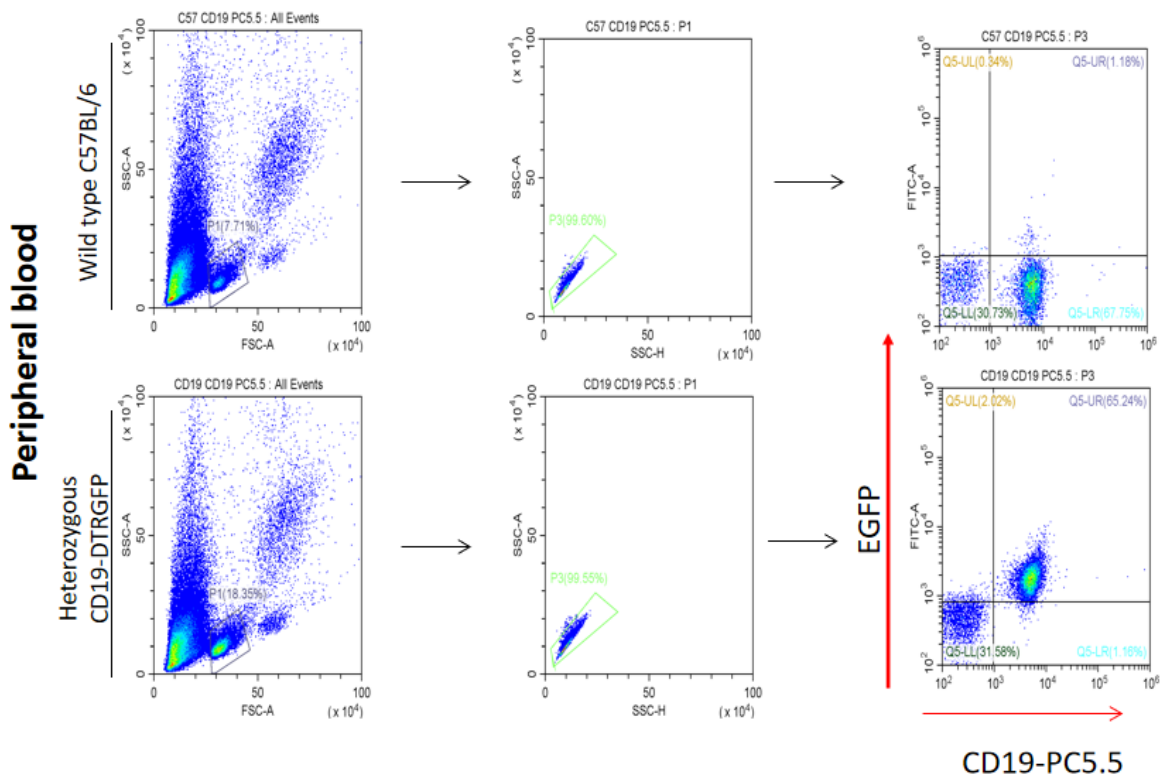


Fig1. Validation EGFP expression in PBMC by FACS. (Cooperation with CrownBio)

### Validation data of DTR function

Heterozygous Cd19-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 Cd19-IRES-DTRGFP mice were injected with Diphtheria toxin.

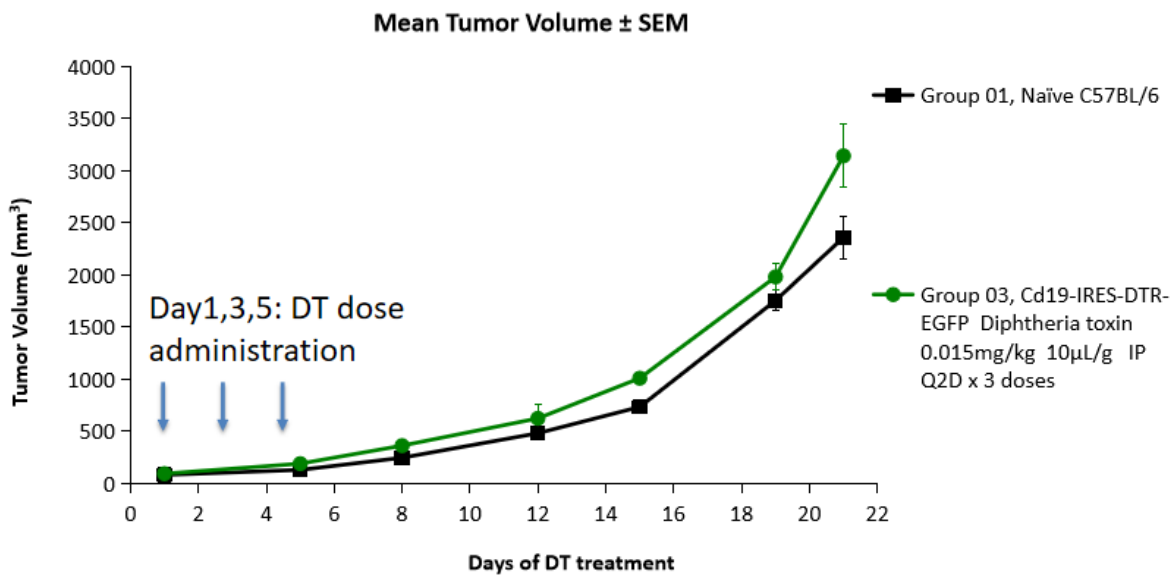


Fig2. The growth of MC38 tumors in Heterozygous Cd19-IRES-DTRGFP mice and C57BL/6 mice. (Cooperation with CrownBio)

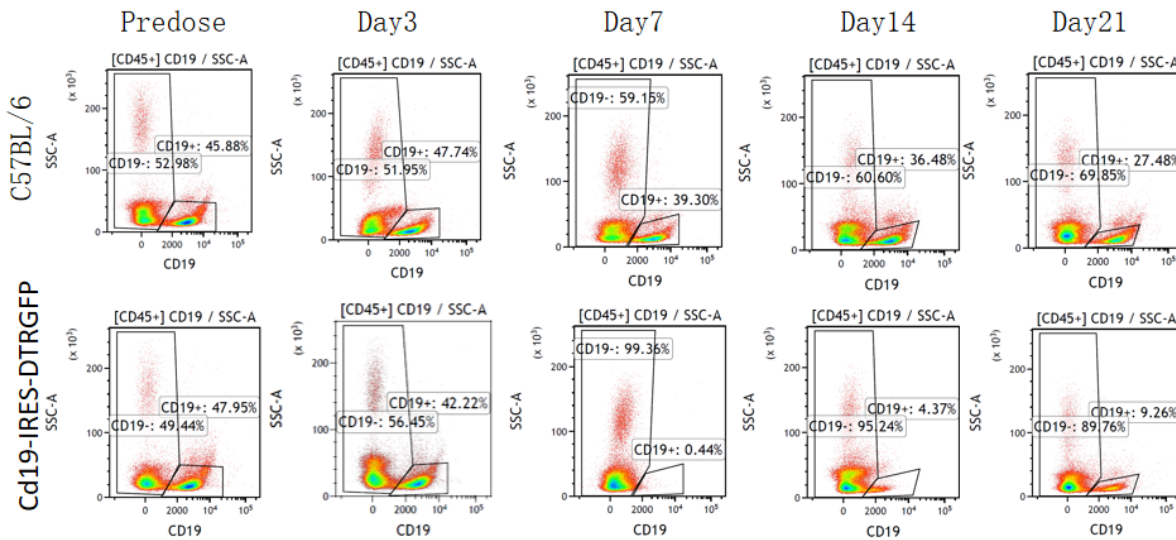


Fig3. The percent of CD19+ cell in peripheral blood of MC38 tumor-bearing Cd19-IRES-DTRGFP mice and C57BL/6 mice is detected by FACS. (Cooperation with CrownBio)

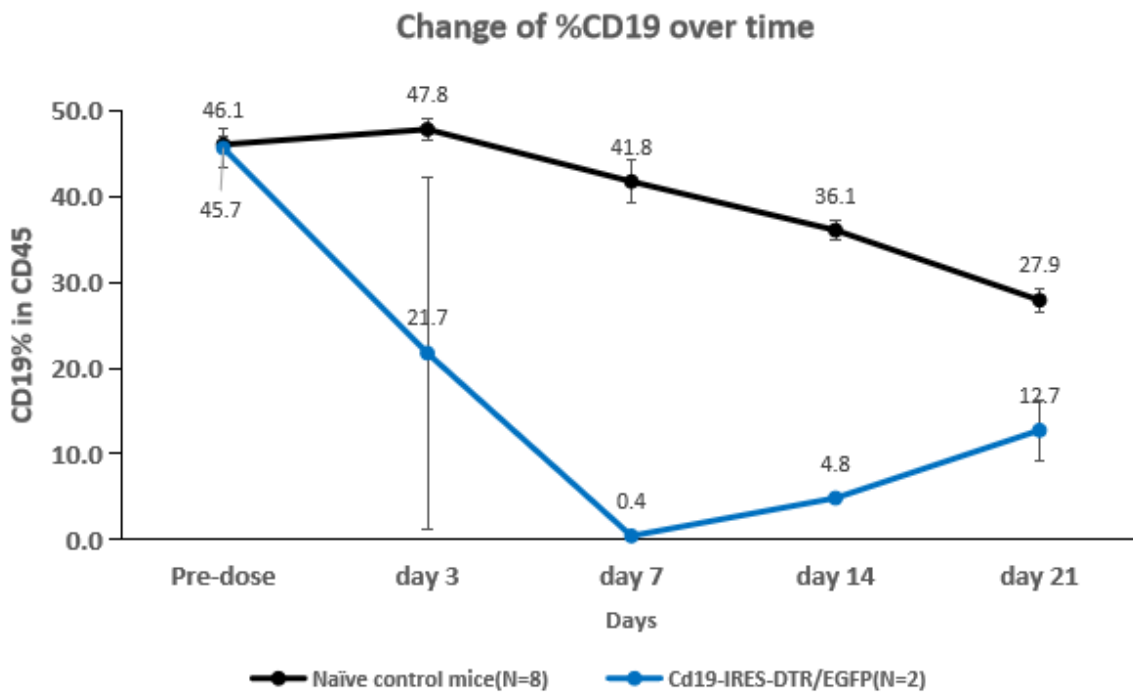


Fig4. The percent of CD19+ cell in peripheral blood of MC38 tumor-bearing Cd19-IRES-DTRGFP mice and C57BL/6 mice is detected by FACS. (Cooperation with CrownBio)