

Foxp3-IRES-DTRGFP

Nomenclature	C57BL/6Smoc- <i>Foxp3</i> ^{em3(IRES-DTRGFP)Smoc}
Cat. NO.	NM-KI-190046
Strain State	Repository Live

Gene Summary

Gene Symbol Foxp3	Synonyms	sf; JM2; scurfin
	NCBI ID	20371
	MGI ID	1891436
	Ensembl ID	ENSMUSG00000039521
	Human Ortholog	FOXP3

Model Description

A IRES-DTRGFP expression cassette was knocked into the Foxp3 gene stop codon site.

Research Application: DTR mouse

*Literature published using this strain should indicate: Foxp3-IRES-DTRGFP mice (Cat. NO. NM-KI-190046) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

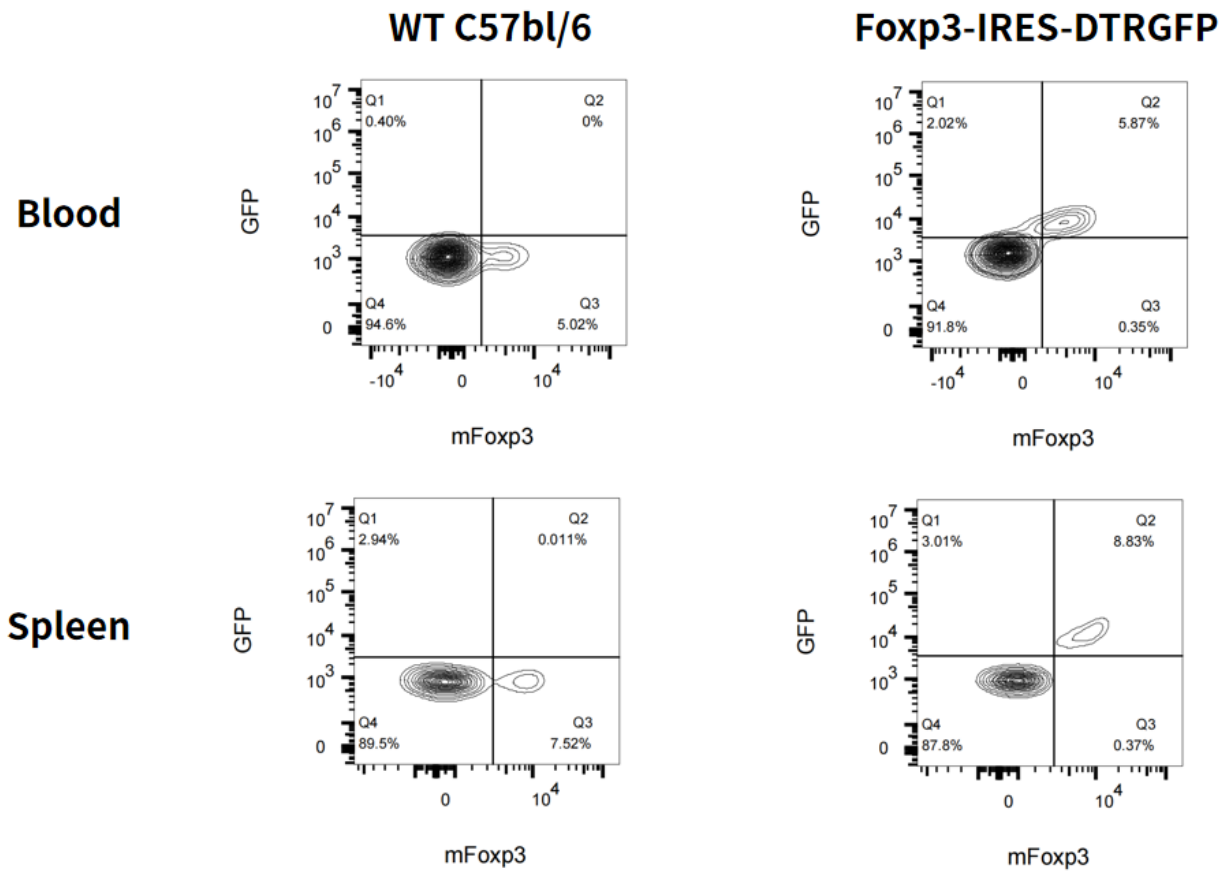


Fig1. Expression of GFP on Tregs in Blood and Spleen in Foxp3-IRES-DTRGFP KI mice.

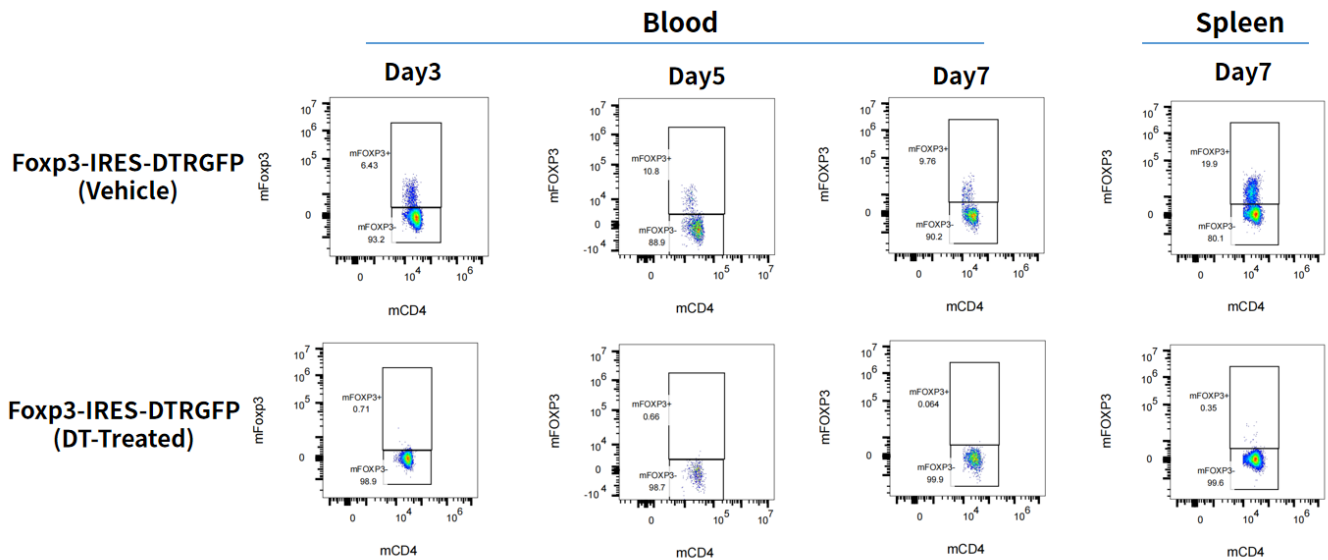


Fig2. Percentages of Tregs in the peripheral blood and spleen of Foxp3-IRES-DTRGFP KI mice treated with diphtheria toxin (DT).

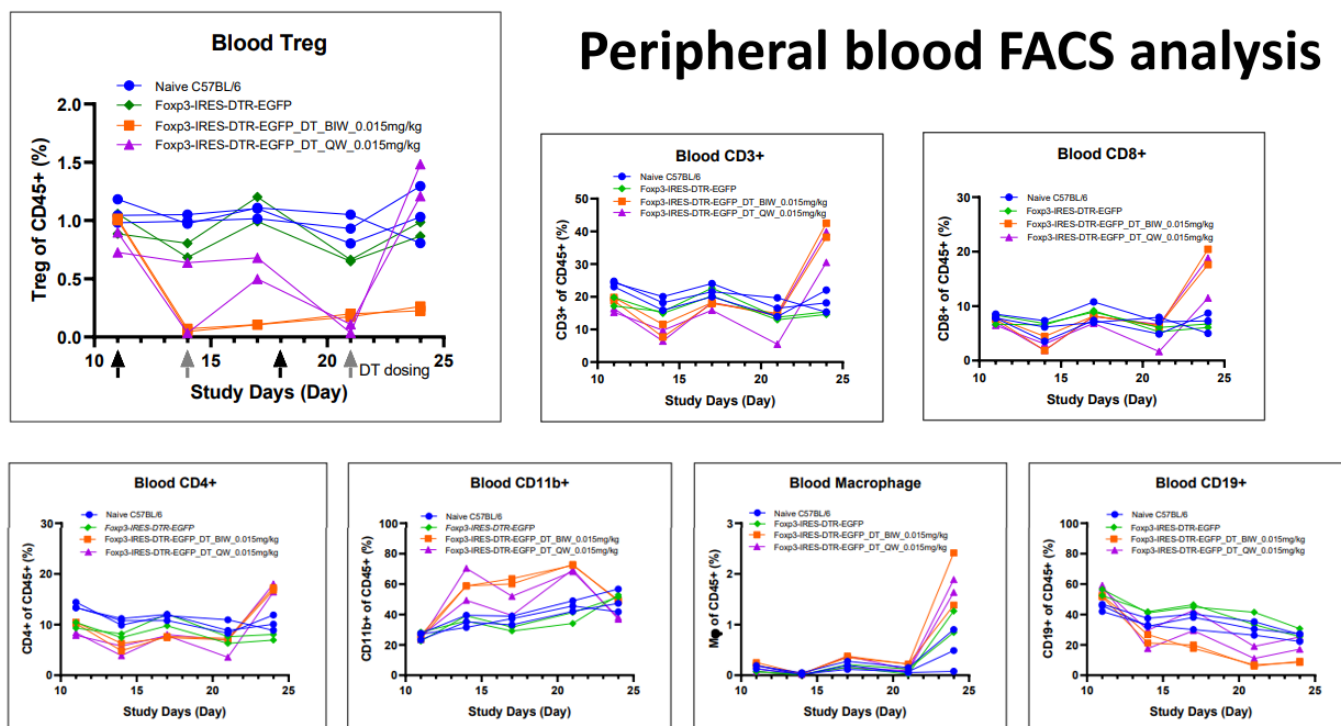


Fig3. The percent of Treg+ and other immune cells in peripheral blood of MC38 tumor-bearing Foxp3-IRES-DTRGFP mice is detected by FACS. (In collaboration with CrownBio)

Spleen & Tumor FACS analysis

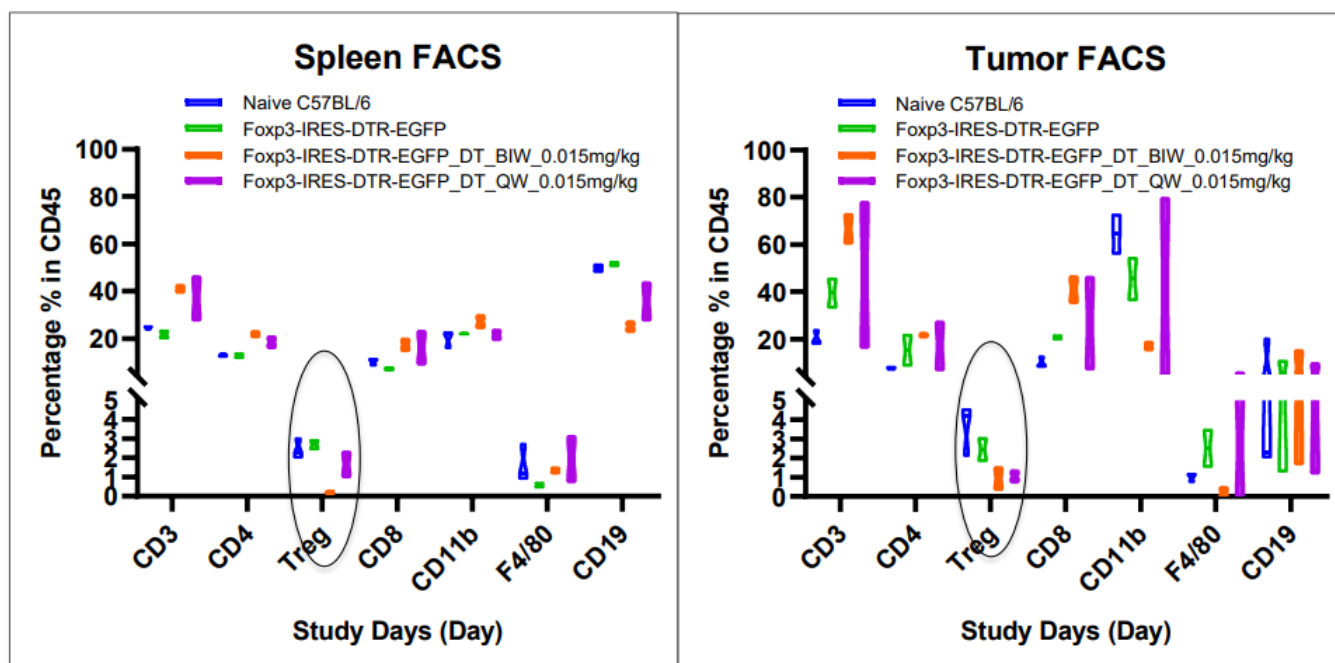


Fig4. The percent of Treg+ and other immune cells in spleen and tumor of MC38 tumor-bearing Foxp3-IRES-DTRGFP mice is detected by FACS. (In collaboration with CrownBio)

MC38 Tumor Growth Curve

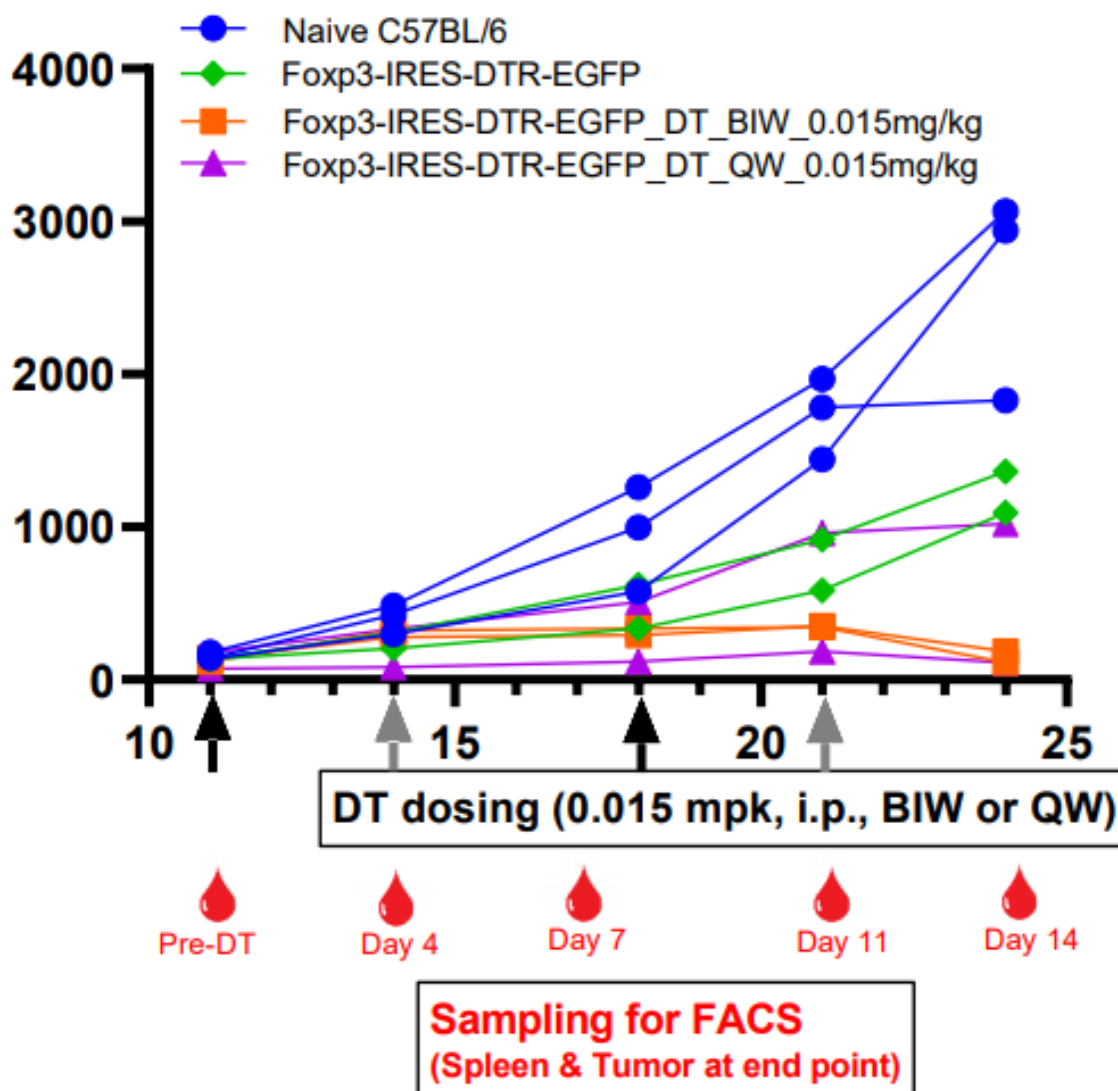


Fig5. The growth of MC38 tumors in Foxp3-IRES-DTRGFP mice and C57BL/6 mice. (In collaboration with CrownBio)