

# Lyz2-IRES-DTRGFP

|                     |                                                          |
|---------------------|----------------------------------------------------------|
| <b>Nomenclature</b> | C57BL/6Smoc- <i>Lyz2</i> <sup>em3(IRES-DTRGFP)Smoc</sup> |
| <b>Cat. NO.</b>     | NM-KI-190041                                             |
| <b>Strain State</b> | Repository Live                                          |

## Gene Summary

|                                   |                       |                                                    |
|-----------------------------------|-----------------------|----------------------------------------------------|
| <b>Gene Symbol</b><br><b>Lyz2</b> | <b>Synonyms</b>       | Lys; Lzm; Lzp; Lysm; Lyzs; Lyzf2; Lzm-s1; A1326280 |
|                                   | <b>NCBI ID</b>        | <a href="#">17105</a>                              |
|                                   | <b>MGI ID</b>         | <a href="#">96897</a>                              |
|                                   | <b>Ensembl ID</b>     | <a href="#">ENSMUSG00000069516</a>                 |
|                                   | <b>Human Ortholog</b> | LYZ2                                               |

## Model Description

A IRES-DTRGFP expression cassette was knocked into the Lyz2 gene stop codon site.

**Research Application:** DTR mouse

\*Literature published using this strain should indicate: Lyz2-IRES-DTRGFP mice (Cat. NO. NM-KI-190041) were purchased from Shanghai Model Organisms Center, Inc..

## Validation Data

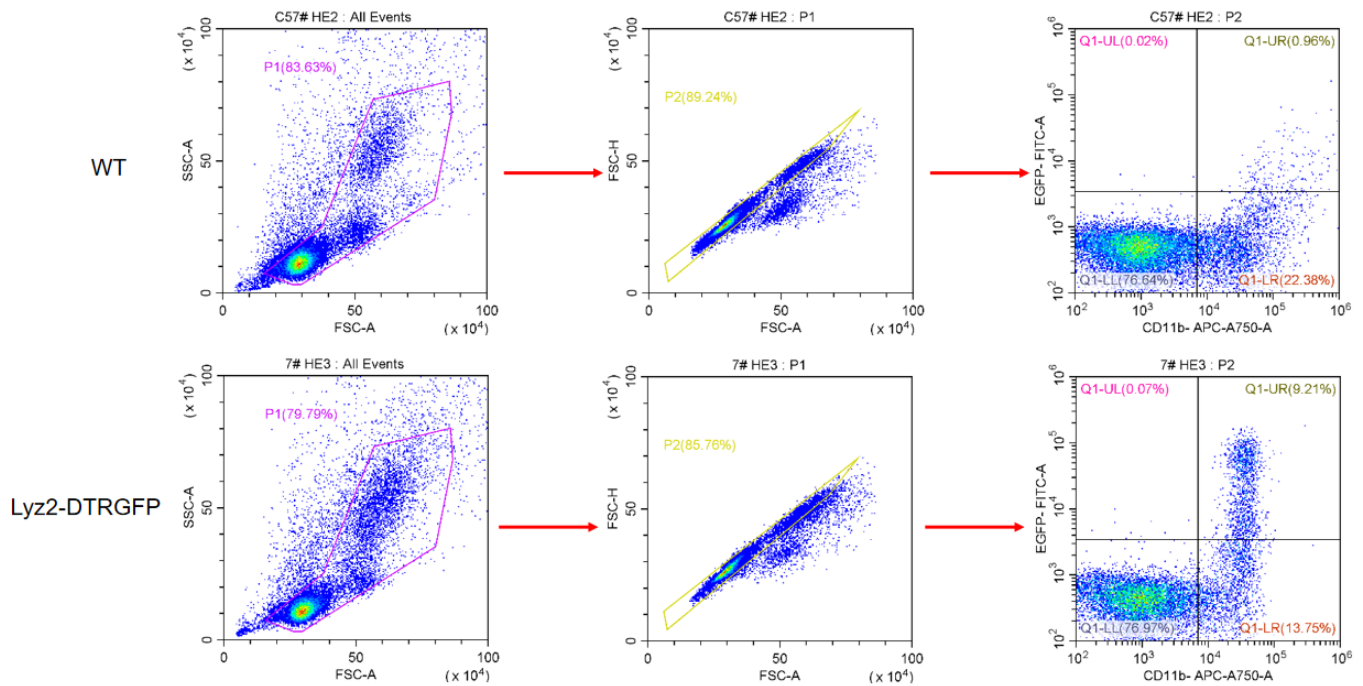


Fig1. Analysis of GFP expression by FACS . The Lyz2-DTRGFP mouse expresses GFP on CD11b+ cells.

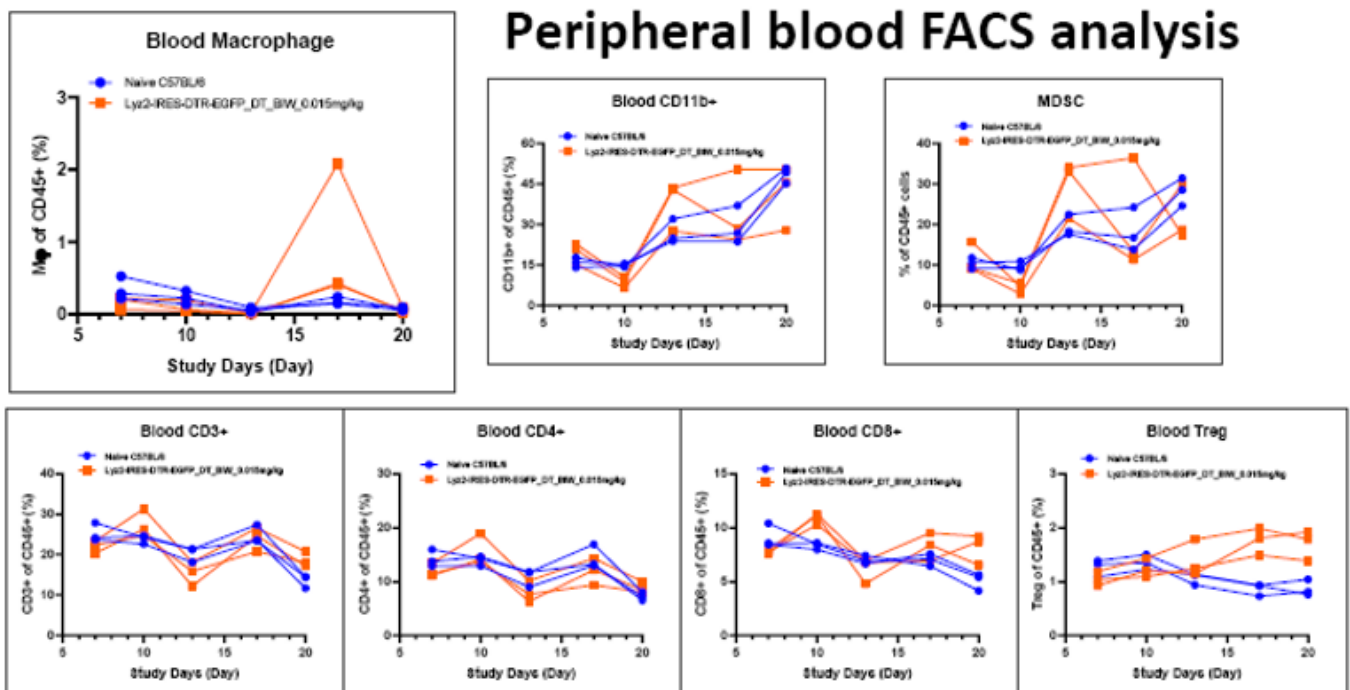


Fig2. Analysis of the level of different immune cells in PBMC by FACS (See Figure 4 for details of diphtheria toxin injection).

## Spleen & Tumor FACS analysis

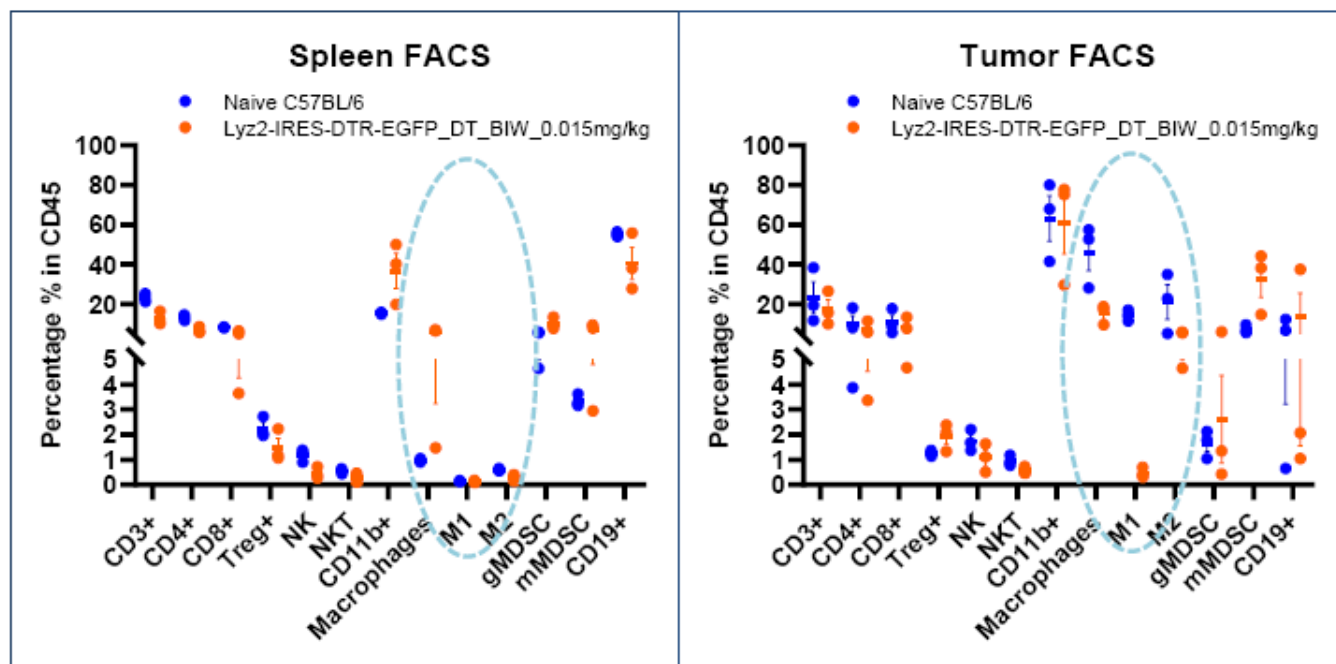


Fig3. Analysis of the level of different immune cells in the spleen and transplanted tumor by FACS (See Figure 4 for details of diphtheria toxin injection).

### MC38 Tumor Growth Curve

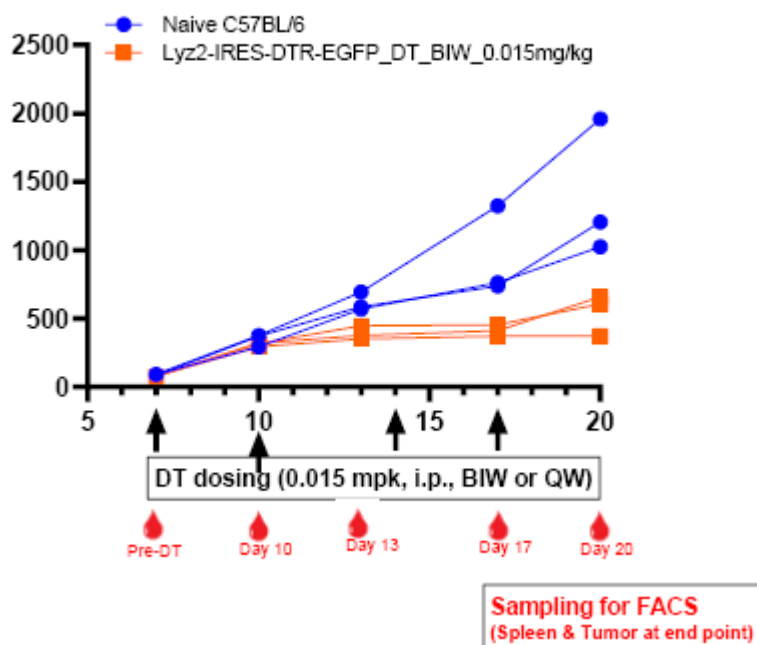


Fig4. The growth of MC38 tumors in Lyz2-DTRGFP mice and C57BL/6 mice.

Heterozygous Lyz2-DTRGFP mice and C57BL/6 mice were inoculated with MC38 colon cancer cells. The Lyz2-DTRGFP mice were injected with diphtheria toxin twice a week.

The data is provided by Crownbio.

