

# hCD3E

<b>Nomenclature</b>	C57BL/6Smoc- <i>Cd3e</i> <sup>em1(hCD3E) Smoc</sup>
<b>Cat. NO.</b>	NM-HU-00114
<b>Strain State</b>	Repository Live

## Gene Summary

<b>Gene Symbol</b> CD3E	<b>Synonyms</b>	CD3; T3e; AI504783; CD3epsilon
	<b>NCBI ID</b>	<a href="#">12501</a>
	<b>MGI ID</b>	<a href="#">88332</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000032093</a>
	<b>Human Ortholog</b>	CD3E

## Model Description

The endogenous mouse *Cd3e* gene was replaced by human CD3E gene . While hCD3E(2)(Stock No.NM-HU-210023) mice function similarly to hCD3E mice,for more detailed information please contact our technical advisor.

**Research Application:** Immunotherapy,cancer research,drug screening

\*Literature published using this strain should indicate: hCD3E mice (Cat. NO. NM-HU-00114) were purchased from Shanghai Model Organisms Center, Inc..

## Validation Data

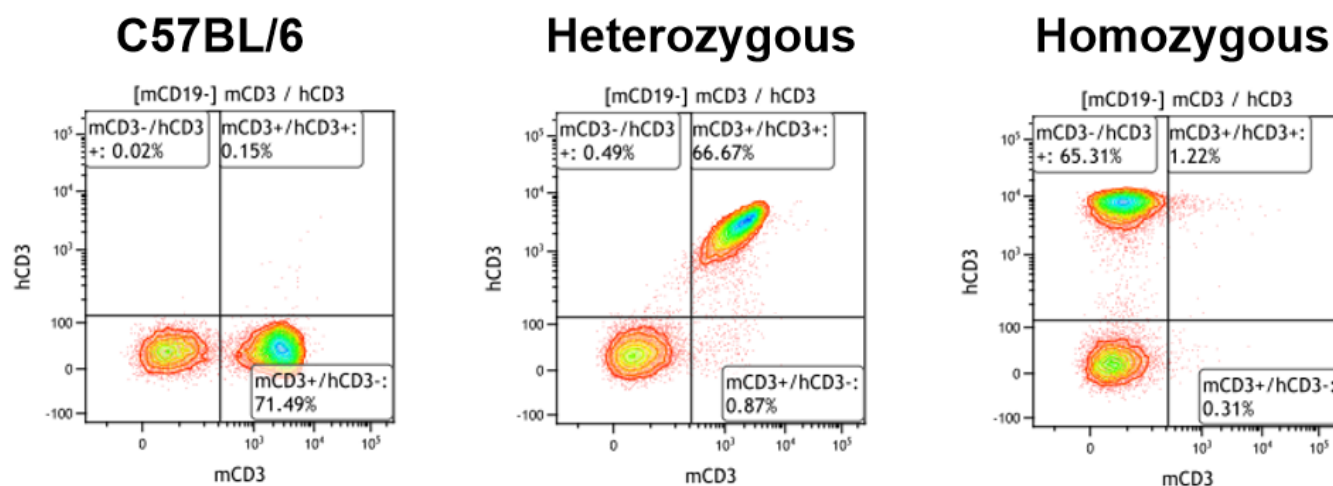


Fig1. The expression of human CD3E in the peripheral blood cells derived from heterozygous or homozygous humanized mice was confirmed by FACS.

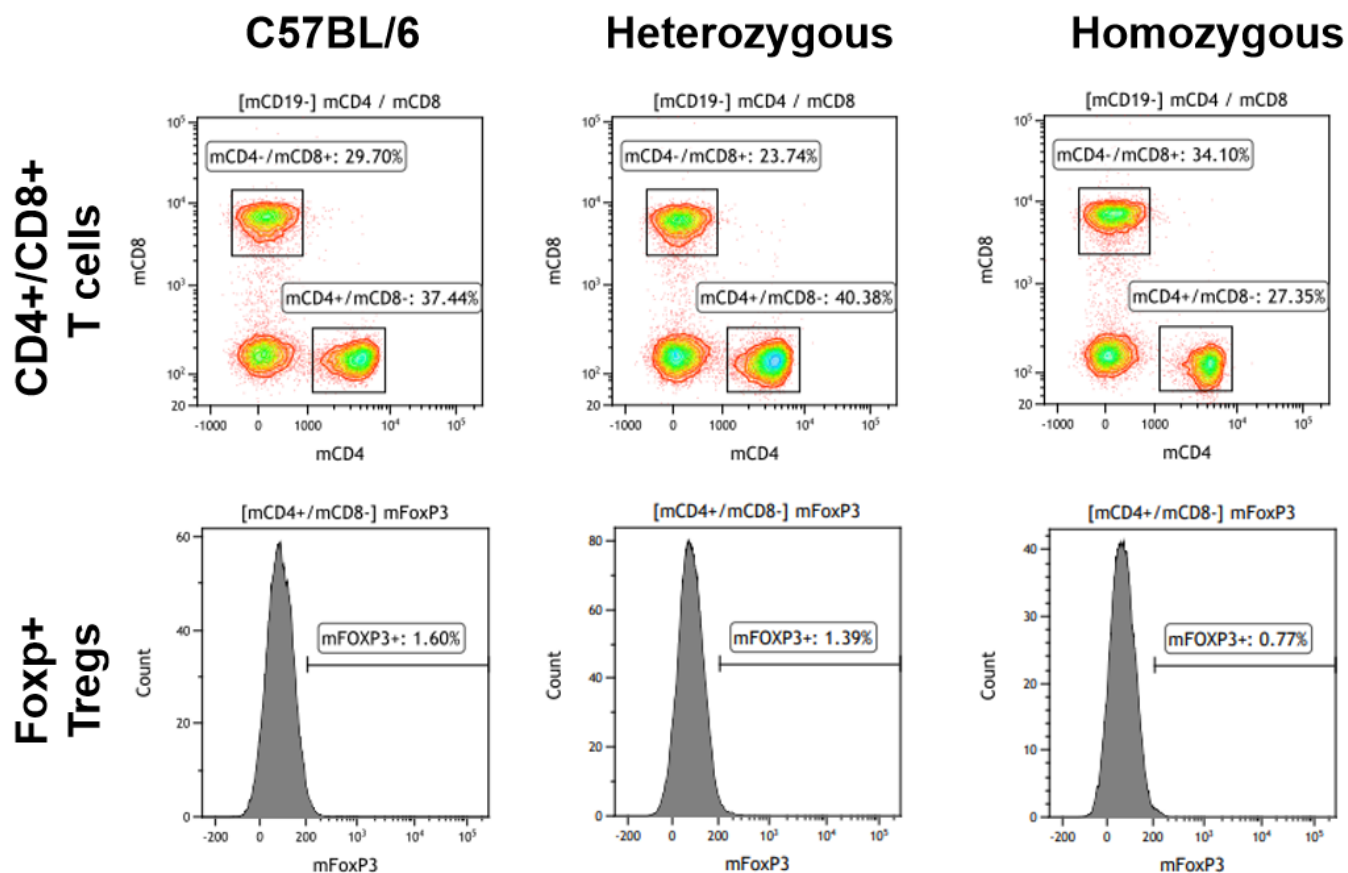


Fig2. Detection of T cell subsets in the peripheral blood cells derived from heterozygous or homozygous CD3E humanized mice.

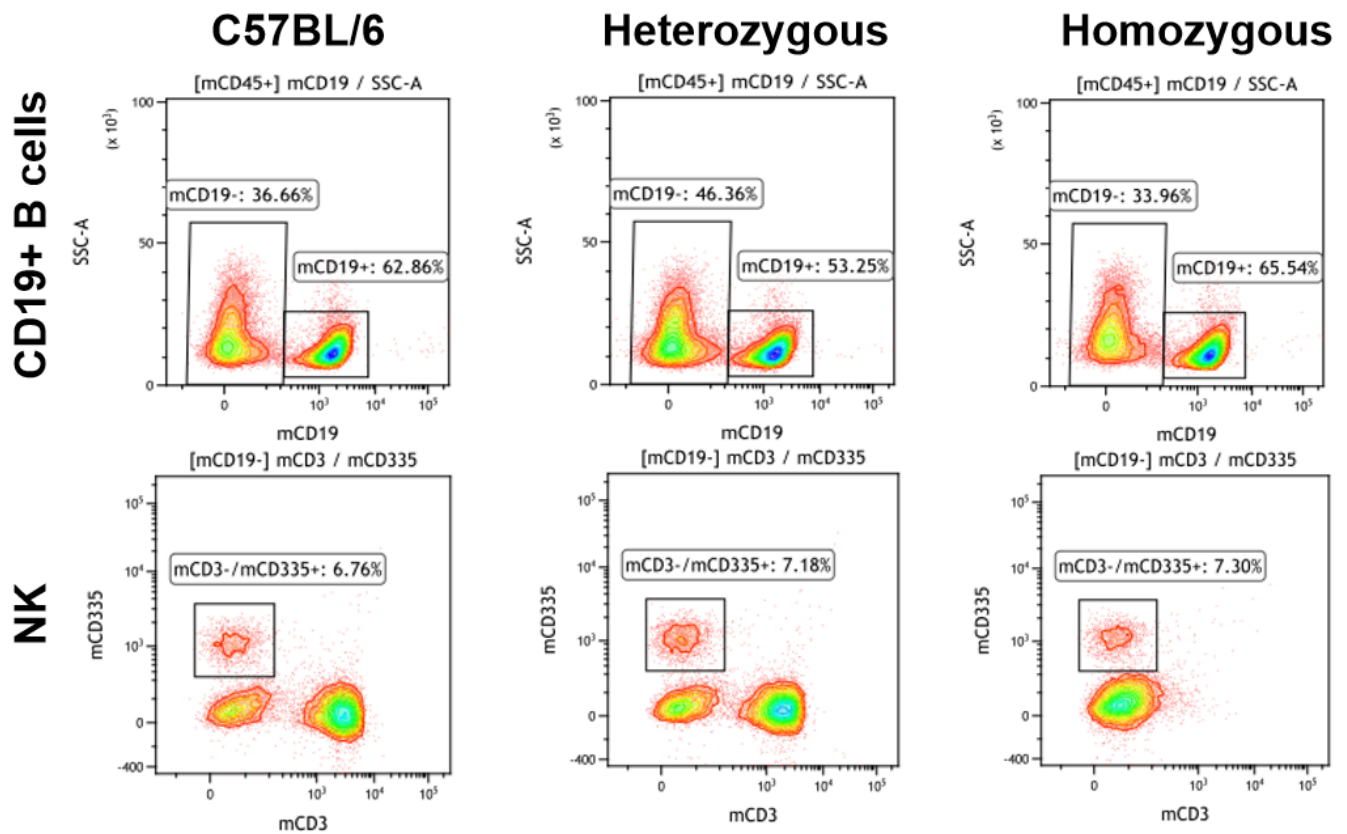


Fig3. Detection of B and NK cells in the peripheral blood cells derived from heterozygous or homozygous CD3E humanized mice.

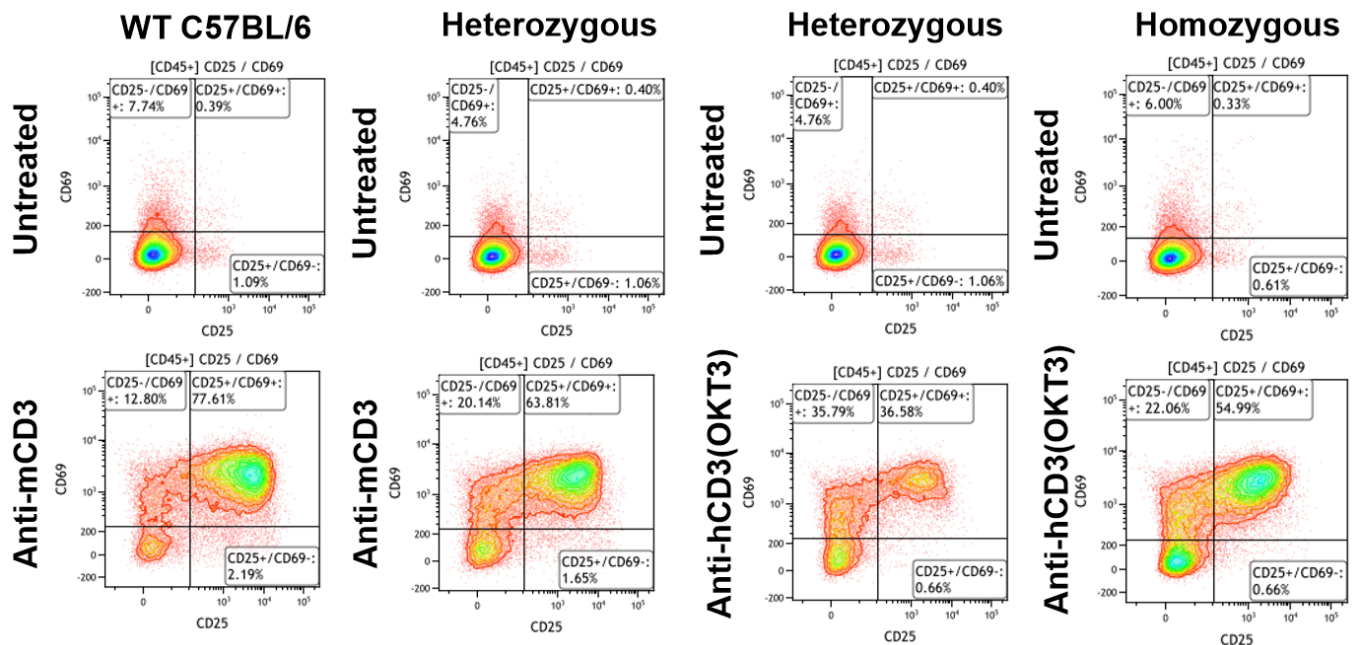


Fig4. In vitro T cell activation with heterozygous or homozygous CD3E humanized mice.

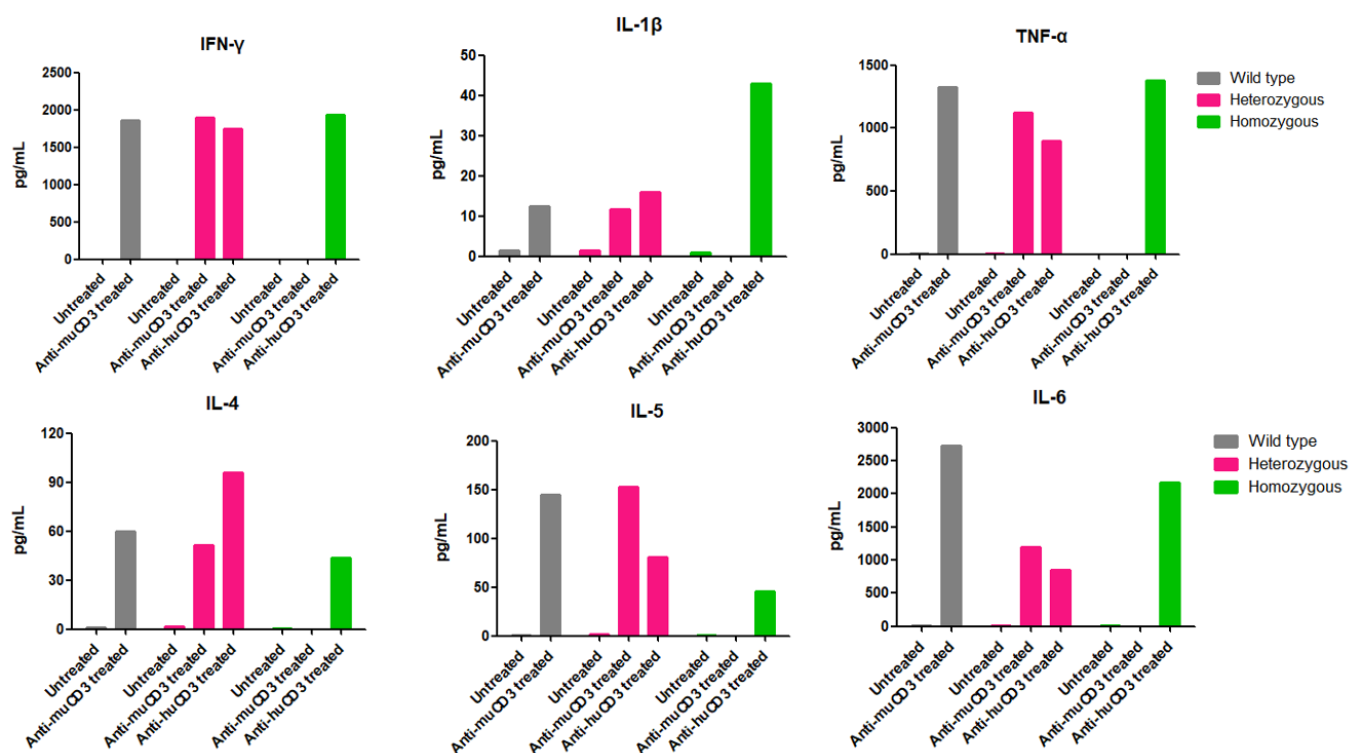


Fig5. Cytokine analysis of anti-human CD3E antibody treated hCD3E mice.

The data is provided by Crownbio.