

## hCCR8(2)

<b>Nomenclature</b>	C57BL/6Smoc- <i>Ccr8</i> <sup>em3(hCCR8)/Smoc</sup>
<b>Cat. NO.</b>	NM-HU-2000054
<b>Strain State</b>	Repository Live

### Gene Summary

<b>Gene Symbol</b> CCR8	<b>Synonyms</b>	Cmkbr8
	<b>NCBI ID</b>	<a href="#">12776</a>
	<b>MGI ID</b>	<a href="#">1201402</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000042262</a>
	<b>Human Ortholog</b>	CCR8

### Model Description

The endogenous mouse *Ccr8* gene was replaced by human CCR8 gene. While hCCR8(Stock No.NM-HU-190053) mice function similarly to hCCR8(2) mice,for more detailed information please contact our technical advisor.

**Research Application:** Immunotherapy,drug screening

\*Literature published using this strain should indicate: hCCR8(2) mice (Cat. NO. NM-HU-2000054) were purchased from Shanghai Model Organisms Center, Inc..

### Validation Data

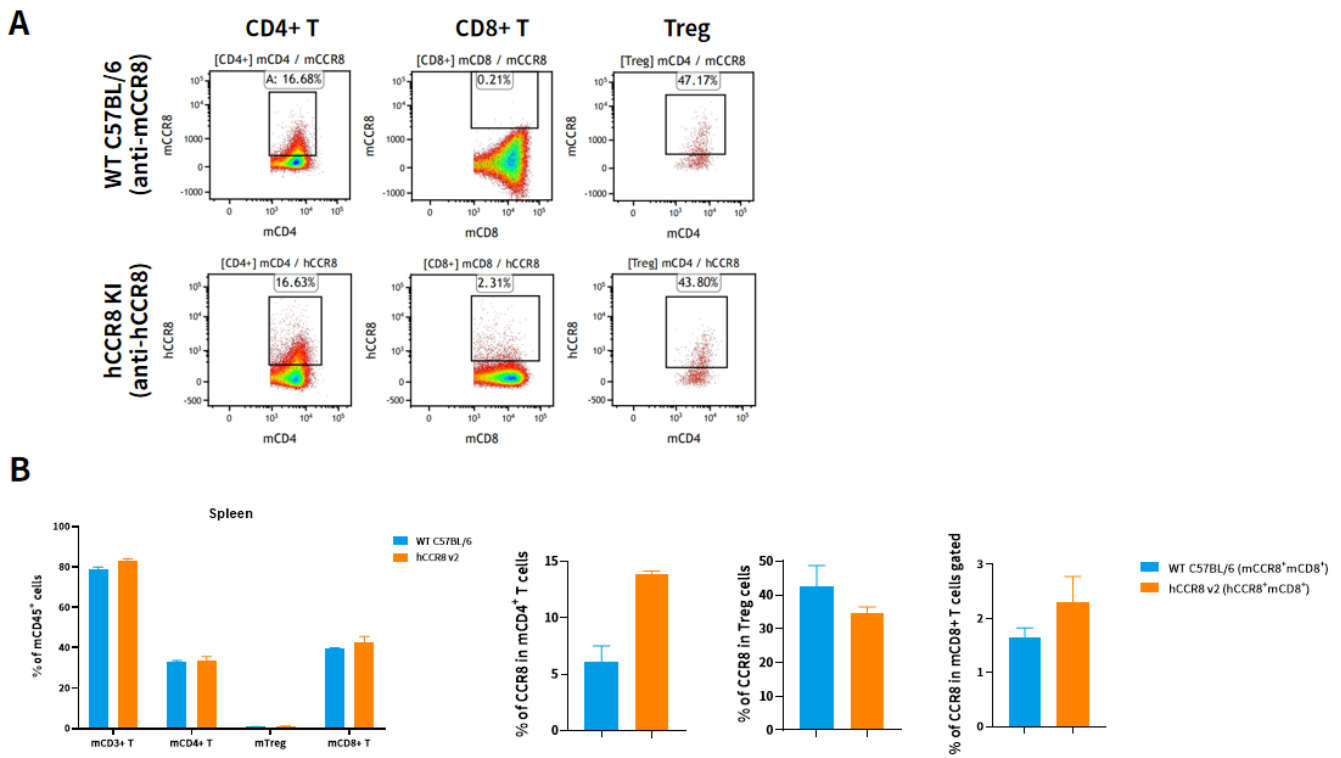


Fig1. Expression characterization of CCR8 humanized mouse.

(A) Human CCR8 expression on activated splenic CD4+, CD8+ and Treg cells upon anti-mCD3/mCD28 stimulation in hCCR8 mice; (B) Statistics of T cell populations in hCCR8 mice.

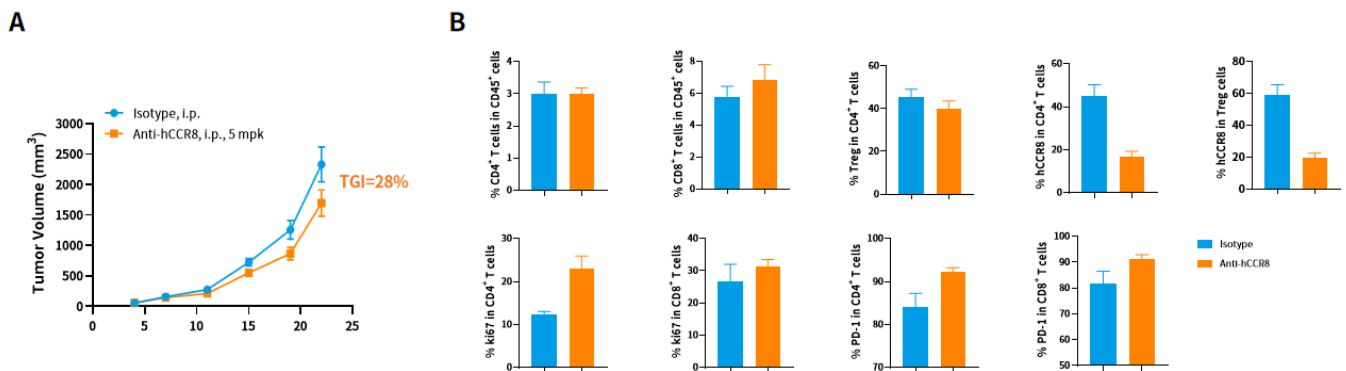


Fig2. The anti-hCCR8 therapeutic antibody shows potent antitumor efficacy in hCCR8 mice.

(A) and (B) *in vivo* antitumor response of anti-hCCR8 in hCCR8 mice bearing MC38 tumor.

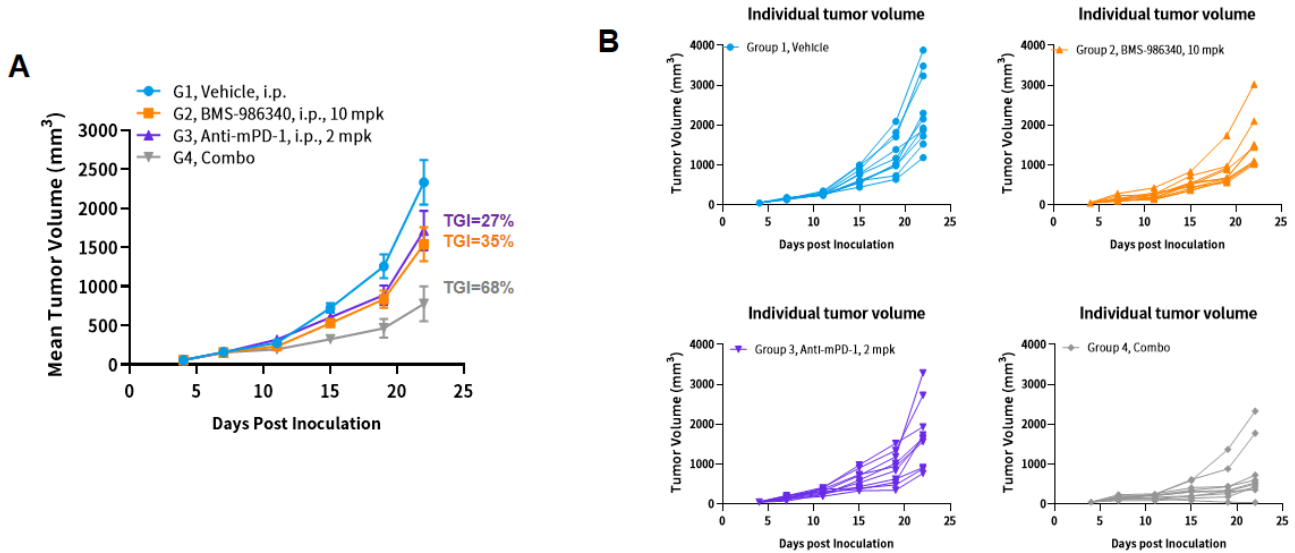


Fig3. *In vivo* antitumor responses of anti-hCCR8 alone or in combination with anti-PD-1 in hCCR8 knockin mice engrafted with MC38 tumor.

(A) Mean tumor growth curves upon treatment; (B) Individual tumor growth curves upon treatment.

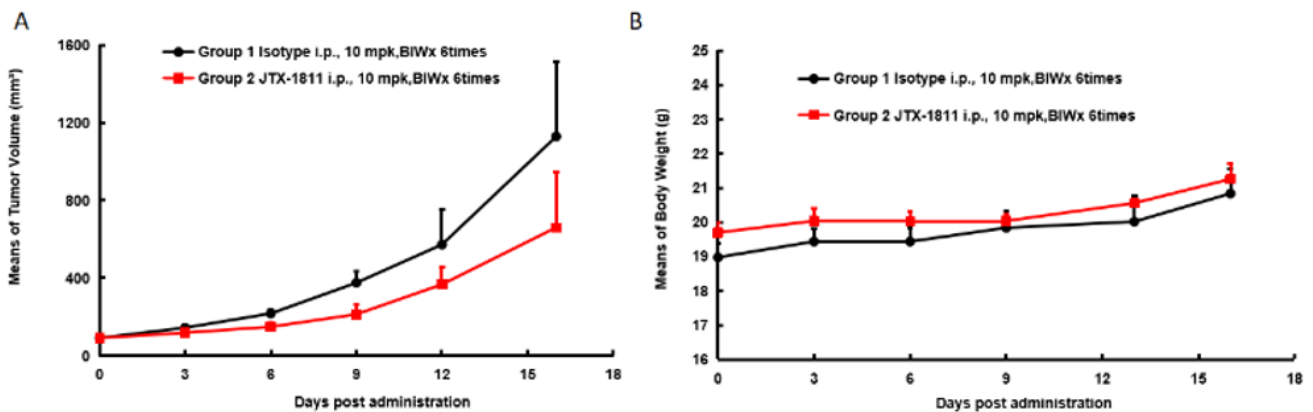


Fig4. *In vivo* efficacy study in CCR8 humanized mice grafted with MC38 tumor model. JTX-1811 can inhibit the growth of MC38 xenografts (A) without significant effect on the body weight of CCR8 humanized mice (B).(provided by partner)