

hCD24

Nomenclature	C57BL/6Smoc- <i>Cd24a</i> ^{tm1(hCD24)/Smoc}
Cat. NO.	NM-HU-2000060
Strain State	Repository Live

Gene Summary

Gene Symbol CD24a	Synonyms	HSA; Cd24; Ly-52; nectadrin
	NCBI ID	12484
	MGI ID	88323
	Ensembl ID	ENSMUSG000000047139
	Human Ortholog	CD24A

Model Description

The endogenous mouse Cd24a gene was replaced by human CD24 gene. While hCD24(2)(Stock No.NM-HU-215025) mice function similarly to hCD24 mice, for more detailed information please contact our technical advisor.

Research Application: Immunotherapy, drug screening

*Literature published using this strain should indicate: hCD24 mice (Cat. NO. NM-HU-2000060) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

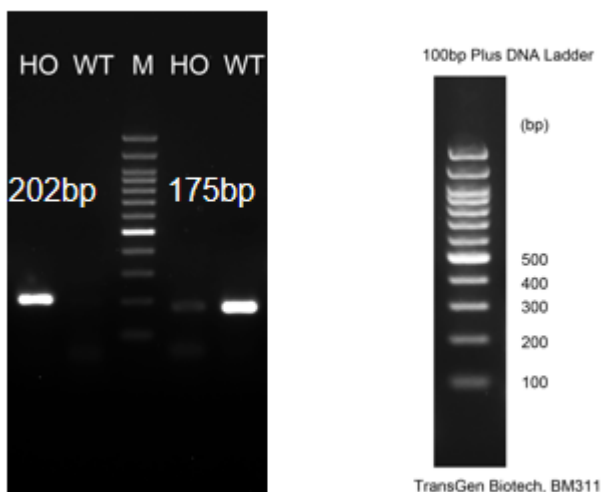


Fig1. Detection of CD24 expression in spleen and brain by RT-PCR. Wild type: only one band at 175 bp with primers F1/R1(mCd24);Homozygous: only one band at 202 bp with primers F2/R2(hCD24); Abbr.. M, DNA marker; HO, homozygous; HE, heterozygous; WT, wild type.

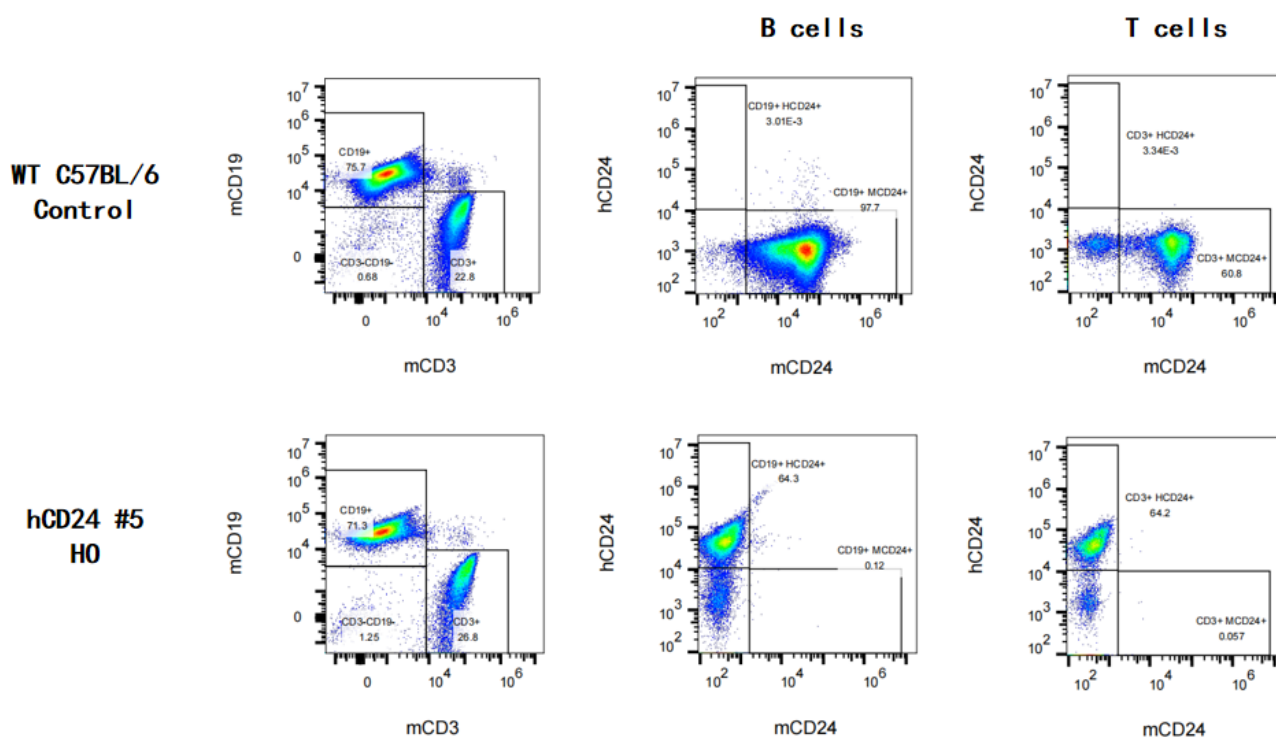


Fig2. Detection of hCD24 expression on B cells and T cells in blood in hCD24 KI mice.

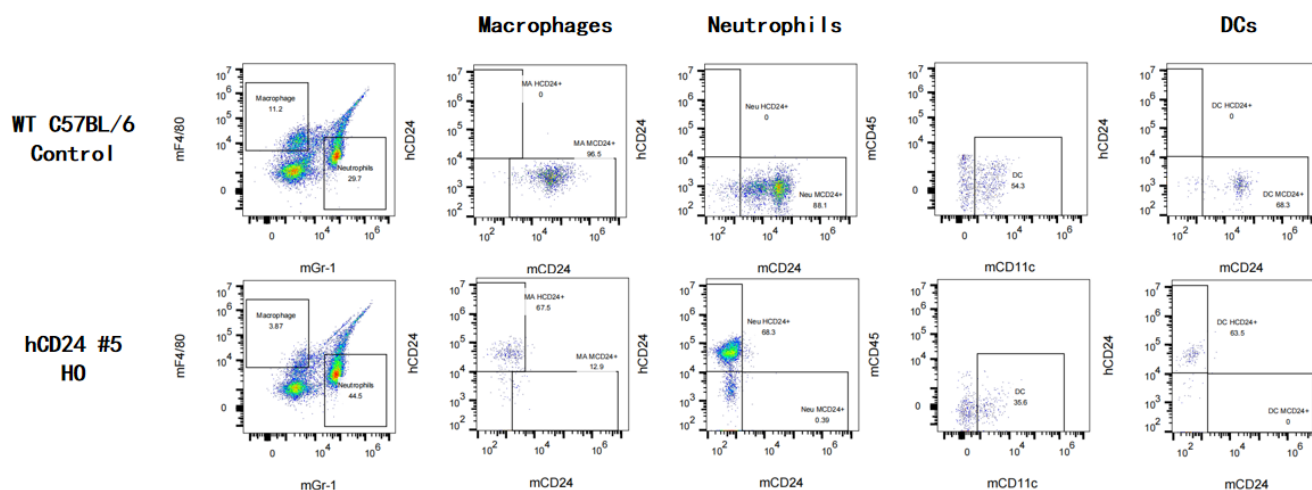


Fig3. Detection of hCD24 expression on macrophages, neutrophils and DCs in blood in hCD24 KI mice.

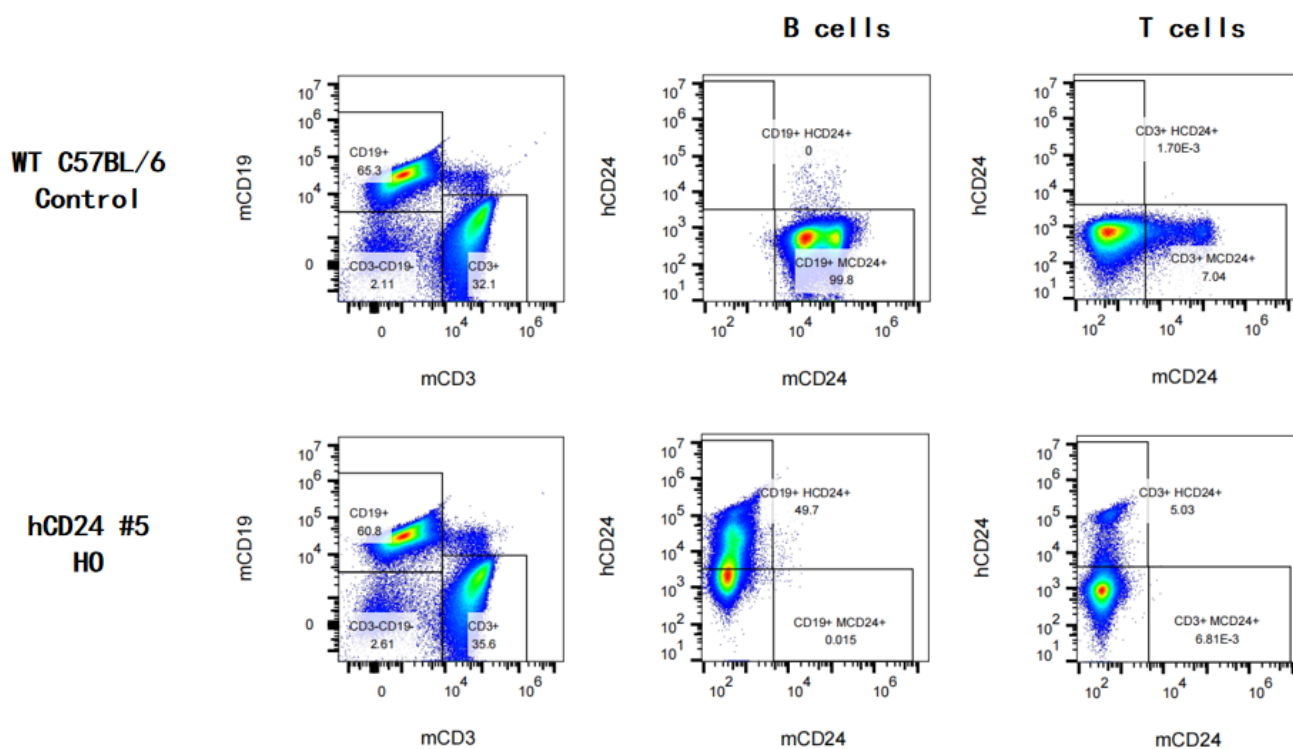


Fig4. Detection of hCD24 expression on B cells and T cells in spleen in hCD24 KI mice.

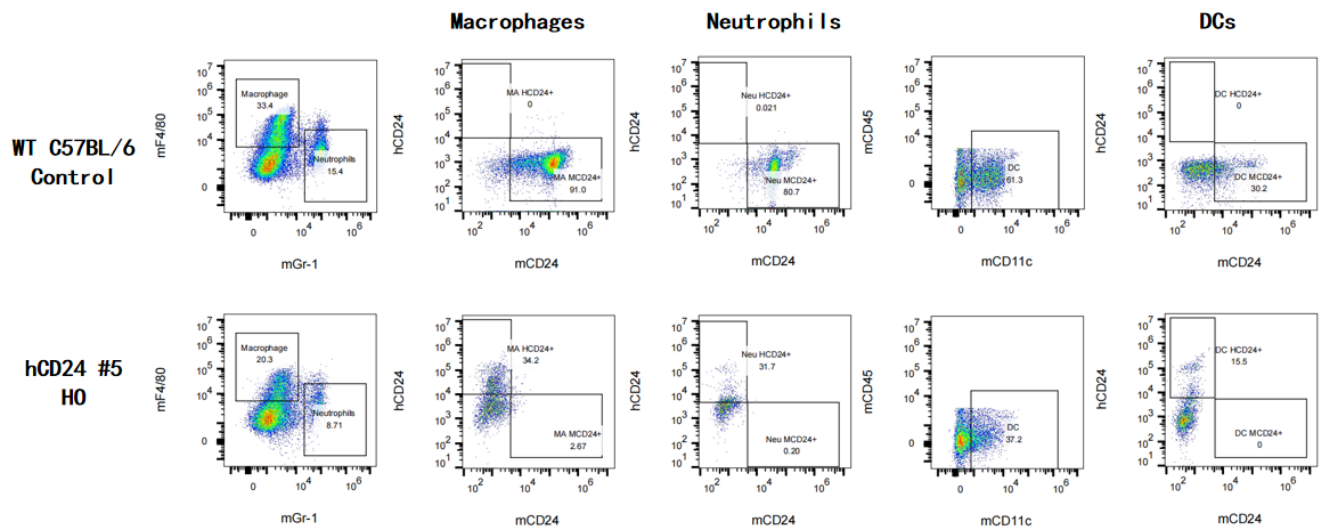


Fig5. Detection of hCD24 expression on macrophages, neutrophils and DCs in spleen in hCD24 KI mice.

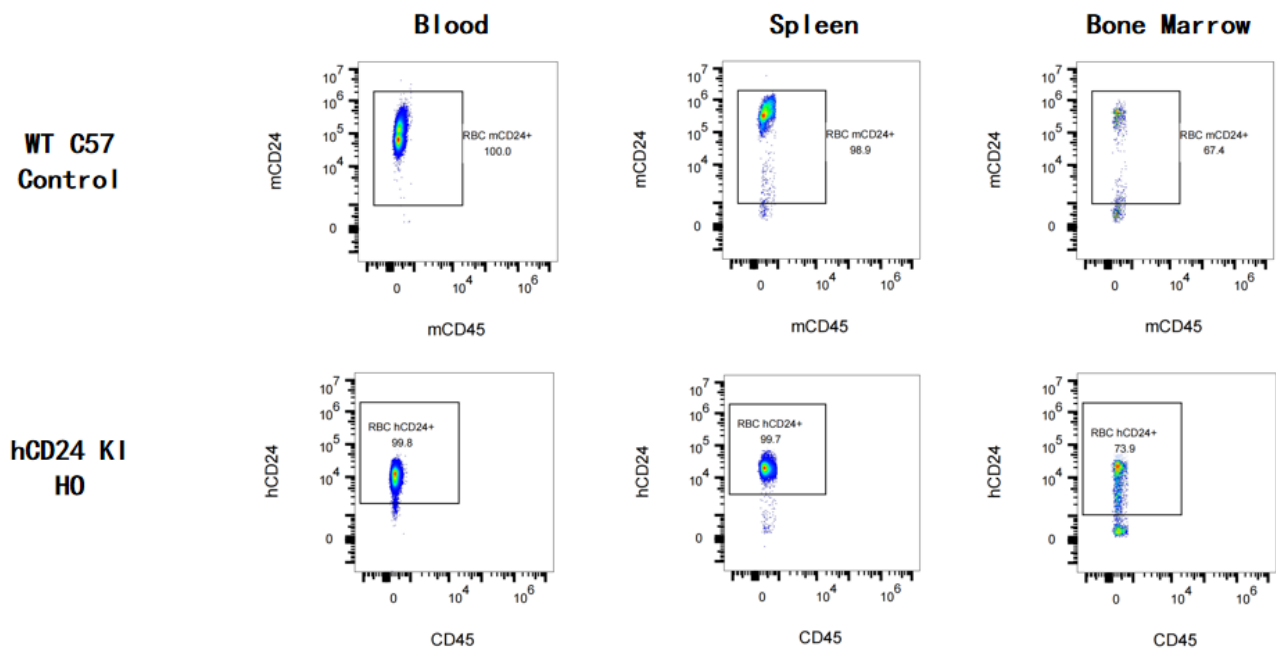


Fig6. Detection of hCD24 expression on RBC (red blood cells) in hCD24 KI mice.