

hCD40(BALB/c)

Nomenclature	BALB/cAnSmoc- <i>Cd40</i> ^{em1(hCD40)/Smoc}
Cat. NO.	NM-HU-2000047
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol CD40	Synonyms	IGM; p50; Bp50; GP39; IMD3; TRAP; HIGM1; T-BAM; Tnfrsf5; AI326936
	NCBI ID	21939
	MGI ID	88336
	Ensembl ID	ENSMUSG00000017652
	Human Ortholog	CD40

Model Description

The endogenous mouse Cd40 gene was replaced by human CD40 gene.

Research Application: Immunotherapy, drug screening

*Literature published using this strain should indicate: hCD40(BALB/c) mice (Cat. NO. NM-HU-2000047) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

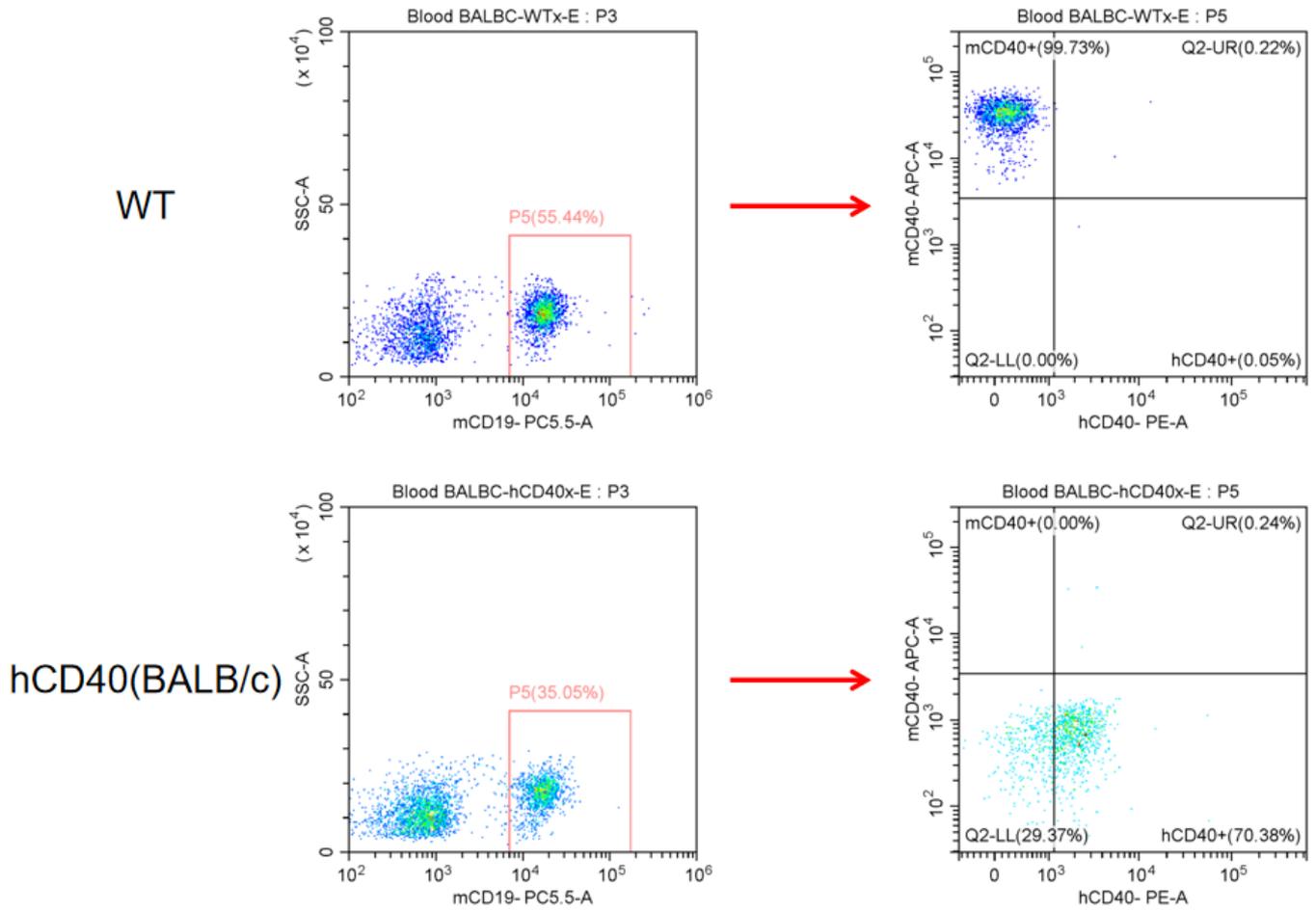


Fig1. Analysis of hCD40 expression in PBMC in the hCD40 mice by FACS. hCD40 was expressed on B cells in PB.

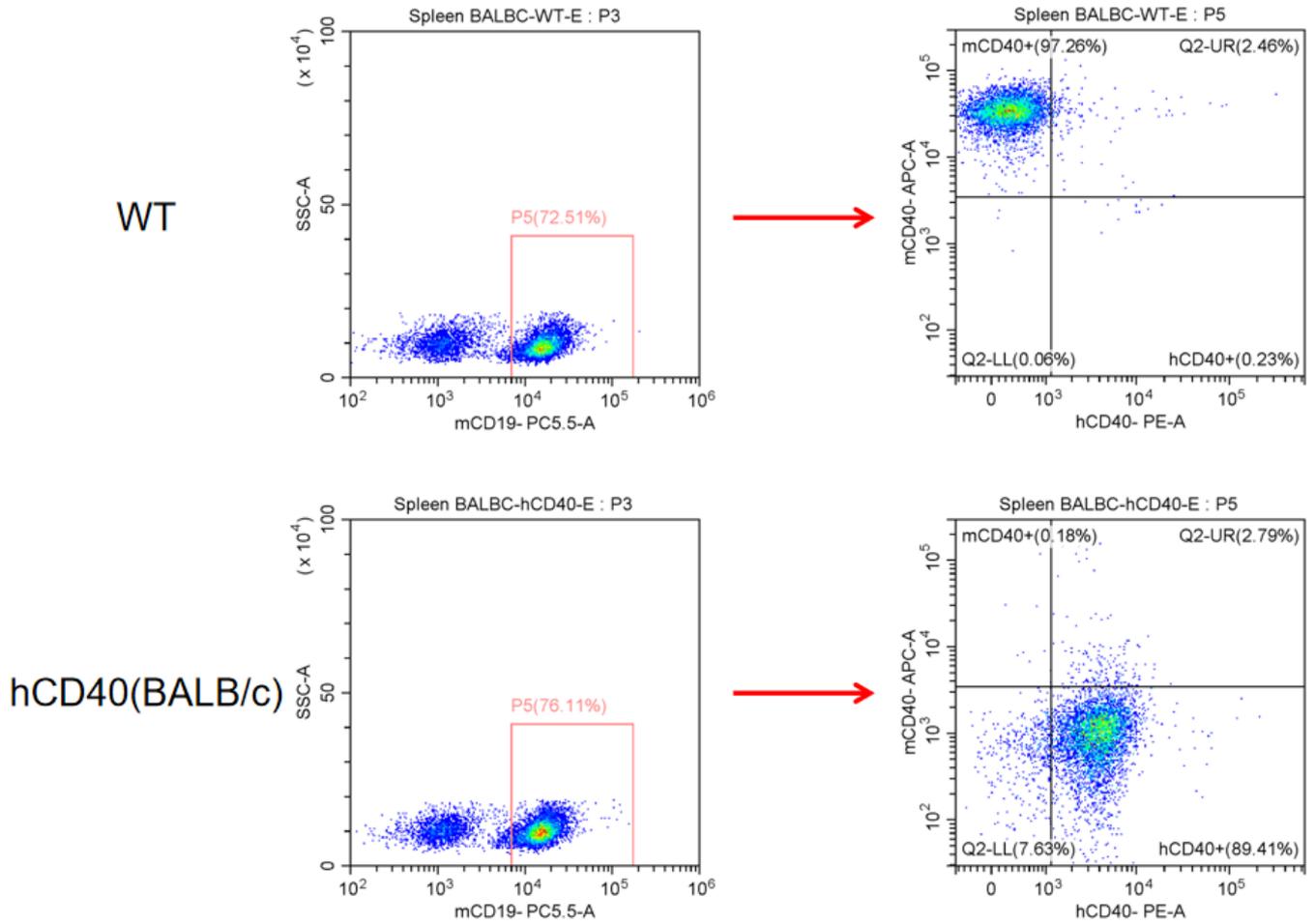


Fig2. Analysis of hCD40 expression on splenic B cells by FACS. hCD40 was expressed on the B cells in the spleen.

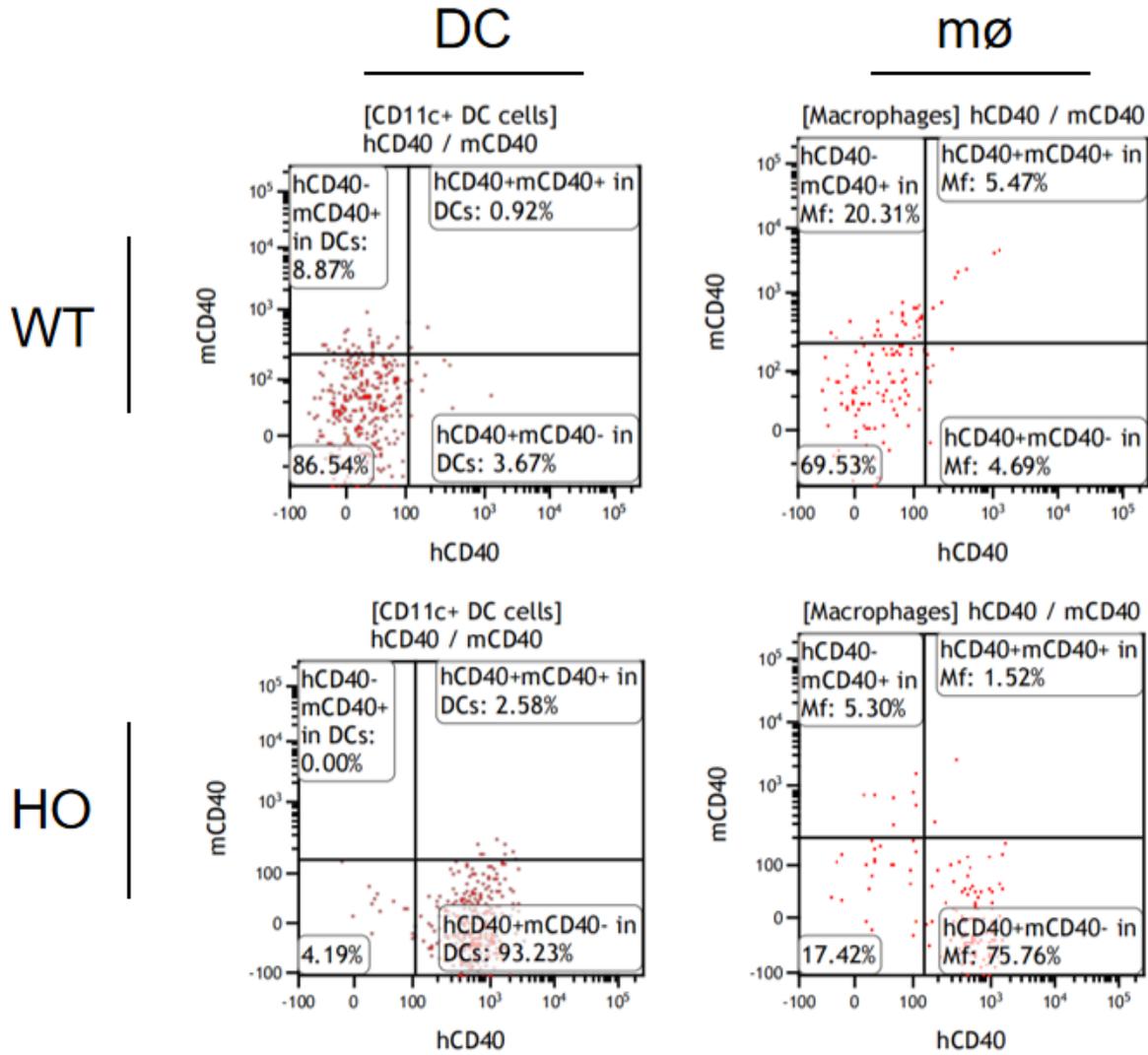


Fig3. Analysis of human CD40 expression on splenic DCs and macrophages by FACS . The homozygous KI mouse expresses human CD40 on DCs and macrophages. (Provided by CrownBio)