

hLILRB4

Nomenclature	C57BL/6Smoc- <i>Lilrb4</i> ^{em1(hLILRB4)Smoc}
Cat. NO.	NM-HU-210024
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol	Synonyms	IL, Li, HM18, ILT3, gp49, CD85K, Gp49b, LIR-5, Lilrb4
	NCBI ID	14728
	MGI ID	102701
	Ensembl ID	ENSMUSG00000112148
	Human Ortholog	LILRB4A

Model Description

The endogenous mice *Lilrb4a* gene was completely or partially replaced by human LILRB4 gene via CRISPR/Cas9 mediated recombination.

Research Application: immune therapy; drug screening

*Literature published using this strain should indicate: hLILRB4 mice (Cat. NO. NM-HU-210024) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

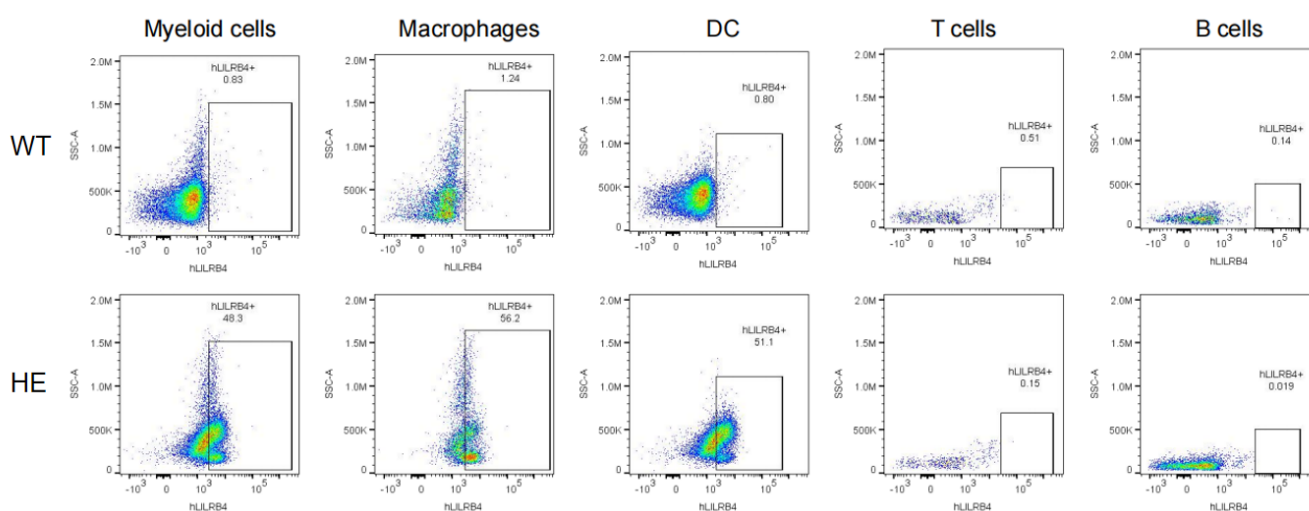


Fig1. Strain specific hLILRB4 expression analysis in heterozygous hLILRB4 mice by flow cytometry. Bone marrow derived Myeloid cells, Macrophages, DC, T cells and B cells were collected and analyzed by flow cytometry with species- specific anti-hLILRB4 antibody. hLILRB4 was expressed in Myeloid cells including Macrophages and DC of heterozygous hLILRB4 mice, and not expressed in T and B cells.

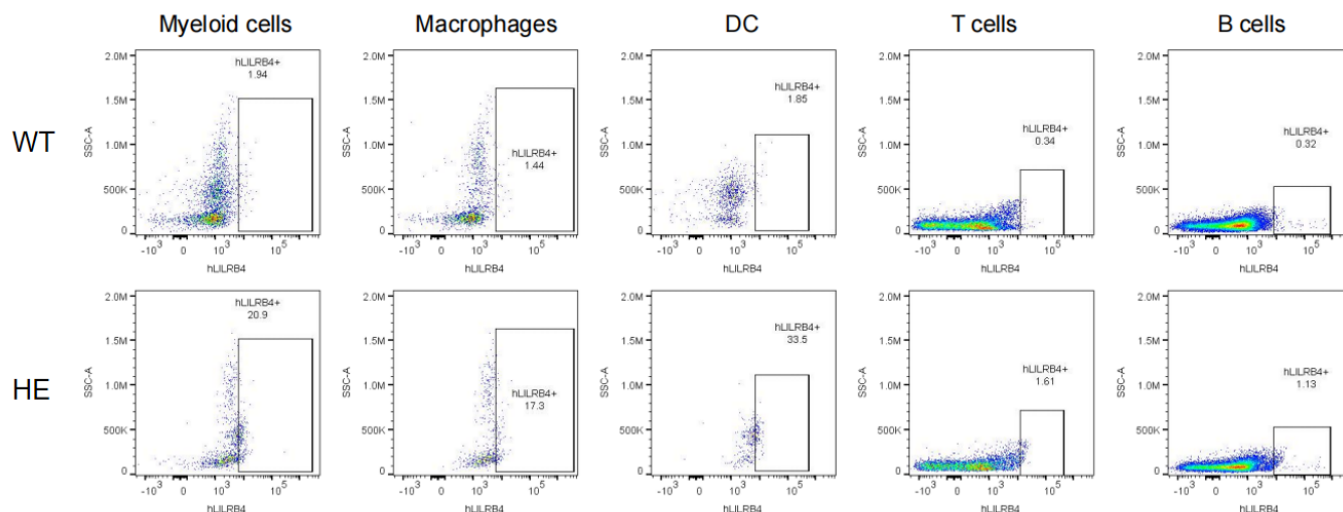


Fig2. Strain specific hLILRB4 expression analysis in heterozygous hLILRB4 mice by flow cytometry. Spleen derived Myeloid cells, Macrophages, DC, T cells and B cells were collected and analyzed by flow cytometry with species- specific anti-hLILRB4 antibody. hLILRB4 was expressed in Myeloid cells including Macrophages and DC of heterozygous hLILRB4 mice, and detectable in a small proportion of T and B cells.