hLILRB4

Nomenclature	C57BL/6Smoc-*Lilrb4a*$^{em1(hLILRB4)Smoc}$
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: inmmue 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

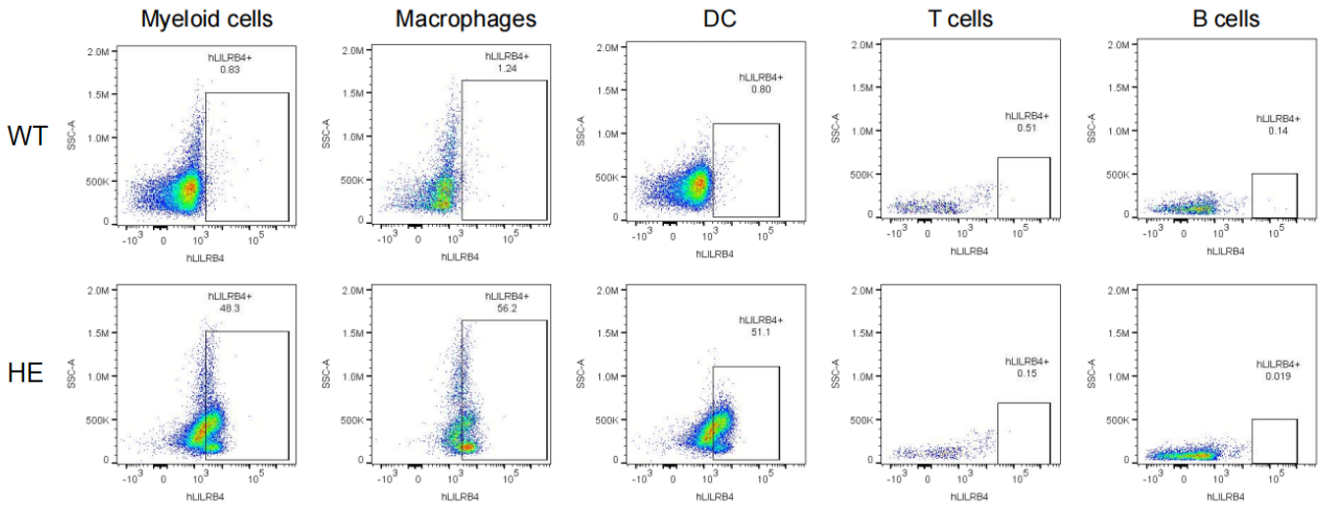

Fig1. Strain specific hLILRB4 expression analysis in heterozygous hLILRB4 mice by flow cytometry. Bone marrow derived Myeloid cells, Macrophages, DC, T cells and B cells were collected and analyzed by flow cytometry with species- specific anti-hLILRB4 antibody. hLILRB4 was expressed in Myeloid cells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

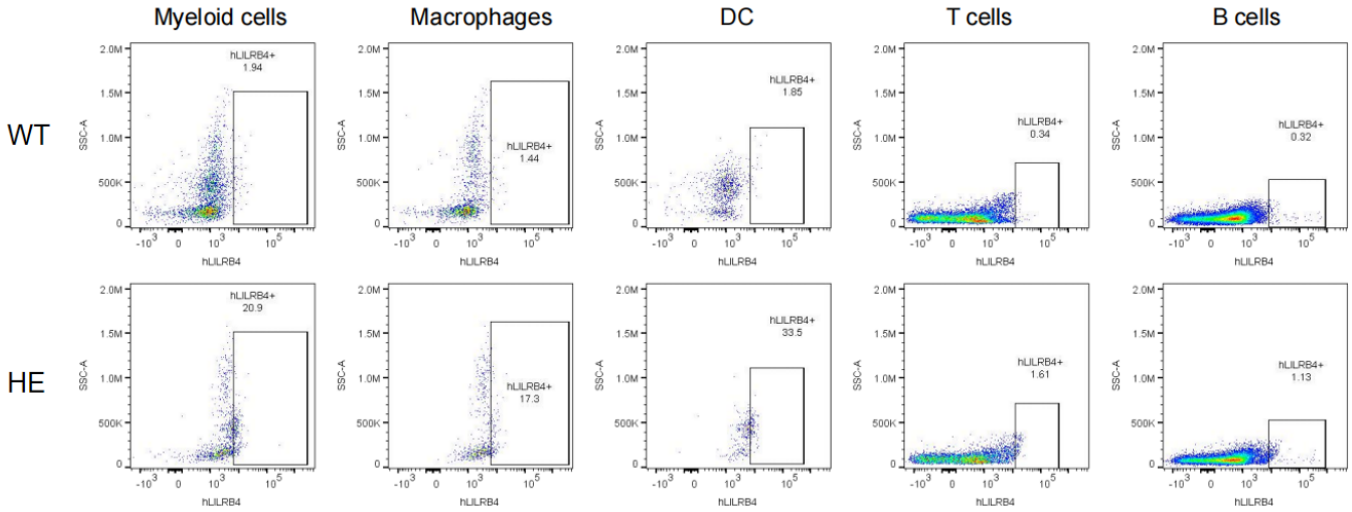

Fig2. Strain specific hLILRB4 expression analysis in heterozygous hLILRB4 mice by flow cytometry. Spleen derived Myeloid cells, Macrophages, DC, T cells and B cells were collected and analyzed by flow cytometry with species- specific anti-hLILRB4 antibody. hLILRB4 was expressed in Myeloid cells including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