

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	<u>14728</u>
	MGI ID	<u>102701</u>
	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

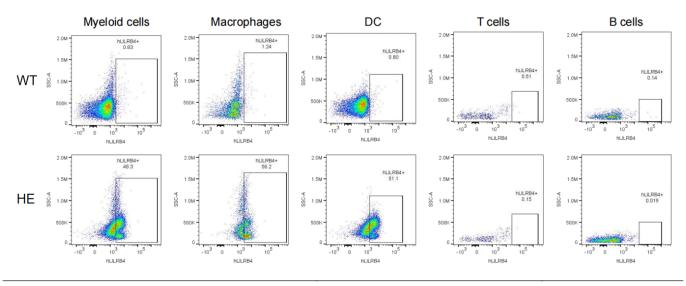




Fig1. Strain specific hLILRB4 expression analysis in heterozygous hLILRB4 mice by flow cytometry. Bone marrow derived Myeloid cells, Macrophages, DC, T cells and B cells were collected and analyzed by flow cytometry with species- specific anti-hLILRB4 antibody. hLILRB4 was expressed in Myeloid cells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

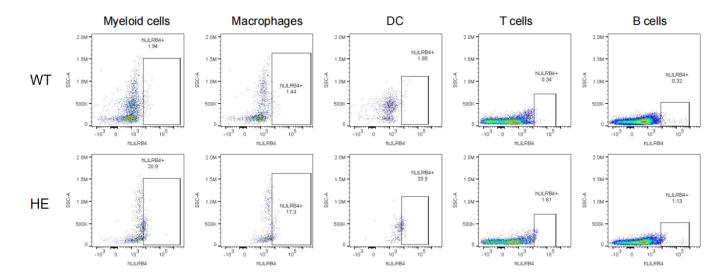


Fig2. Strain specific hLILRB4 expression analysis in heterozygous hLILRB4 mice by flow cytometry. Spleen derived Myeloid cells, Macrophages, DC, T cells and B cells were collected and analyzed by flow cytometry with species- specific anti-hLILRB4 antibody. hLILRB4 was expressed in Myeloid cells including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