

hPD-L1(2)

Nomenclature	C57BL/6Smoc- <i>Cd274</i> ^{em2(hPD-L1)Smoc}
Cat. NO.	NM-HU-190039
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol Cd274	Synonyms	B7h1; Pdl1; Pdcd1l1; Pdcd1lg1; A530045L16Rik
	NCBI ID	60533
	MGI ID	1926446
	Ensembl ID	ENSMUSG00000016496
	Human Ortholog	CD274

Model Description

Extracellular domain of mouse Cd274(also known as PD-L1) gene was replaced by human PD-L1 gene. While hPD-L1(Stock No.NM-HU-00062) mice function similarly to hPD-L1(2) mice,for more detailed information please contact our technical advisor.

Research Application: Immunotherapy,cancer research,drug screening

*Literature published using this strain should indicate: hPD-L1(2) mice (Cat. NO. NM-HU-190039) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

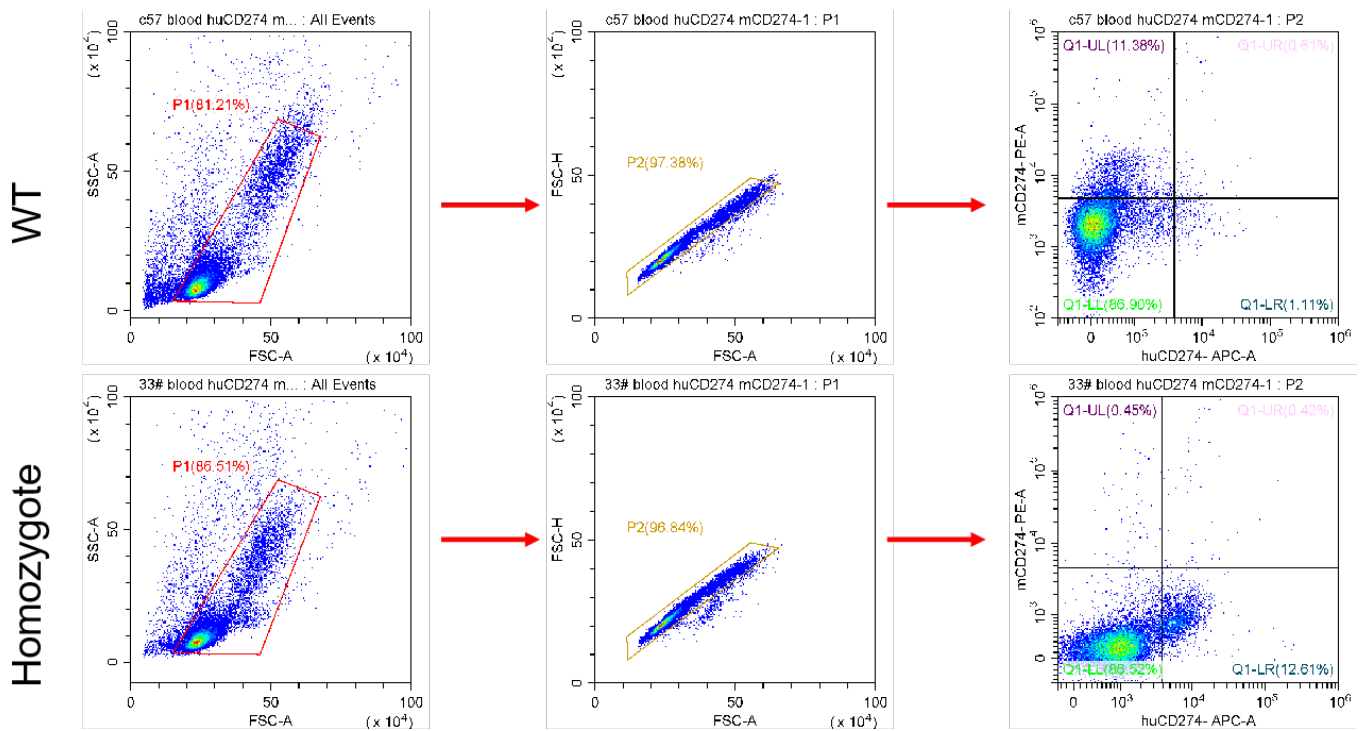


Fig1. The expression of human PD-L1 in the peripheral blood cells derived from homozygous humanized mice were confirmed by flow cytometry analysis.

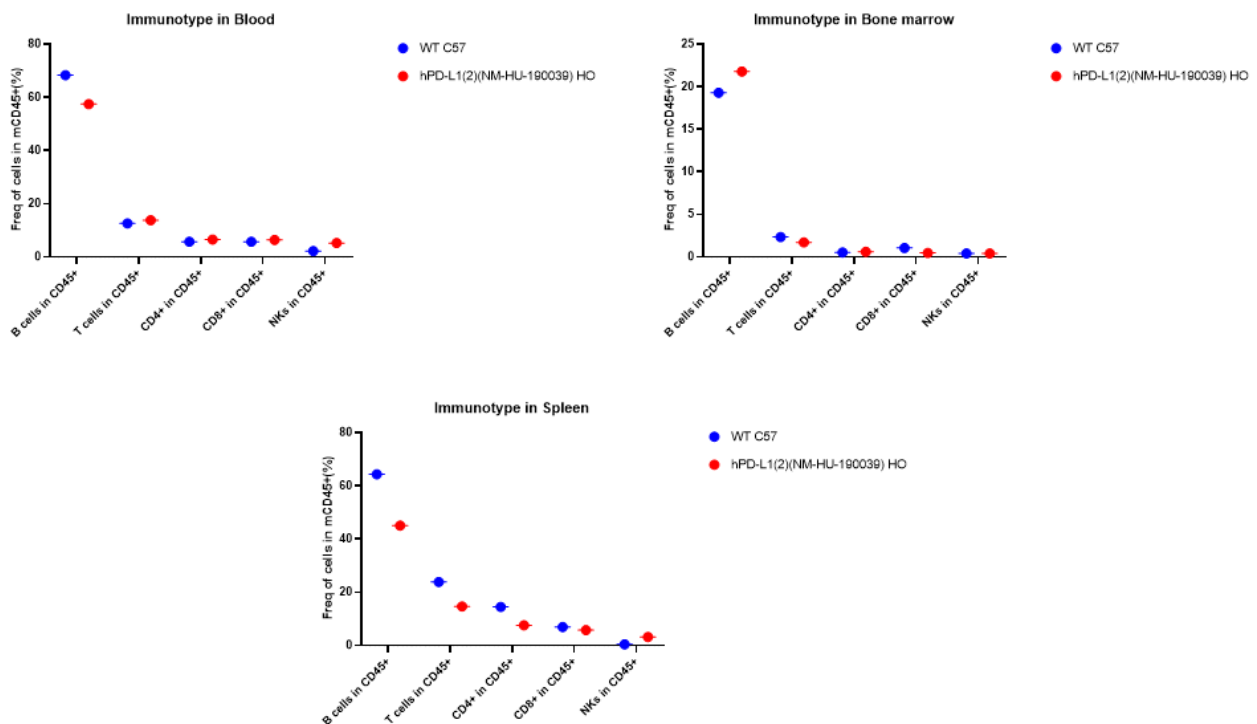


Fig2. Immunotype in blood , spleen and bone marrow in hPD-L1 mice.

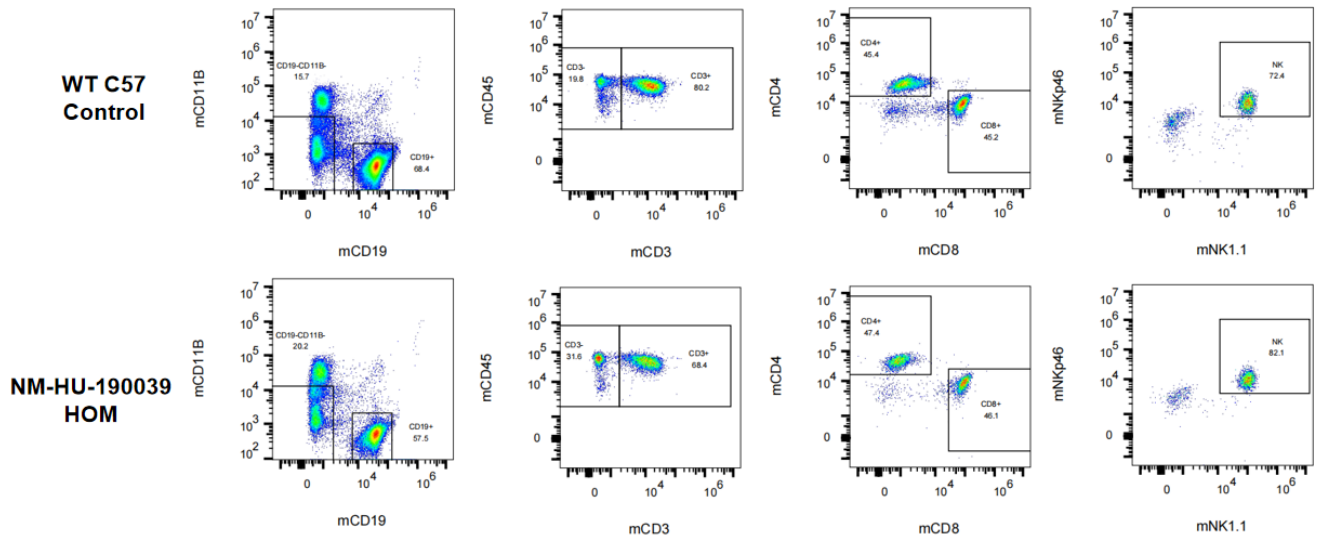


Fig3. Immunotype in blood in hPD-L1 mice.

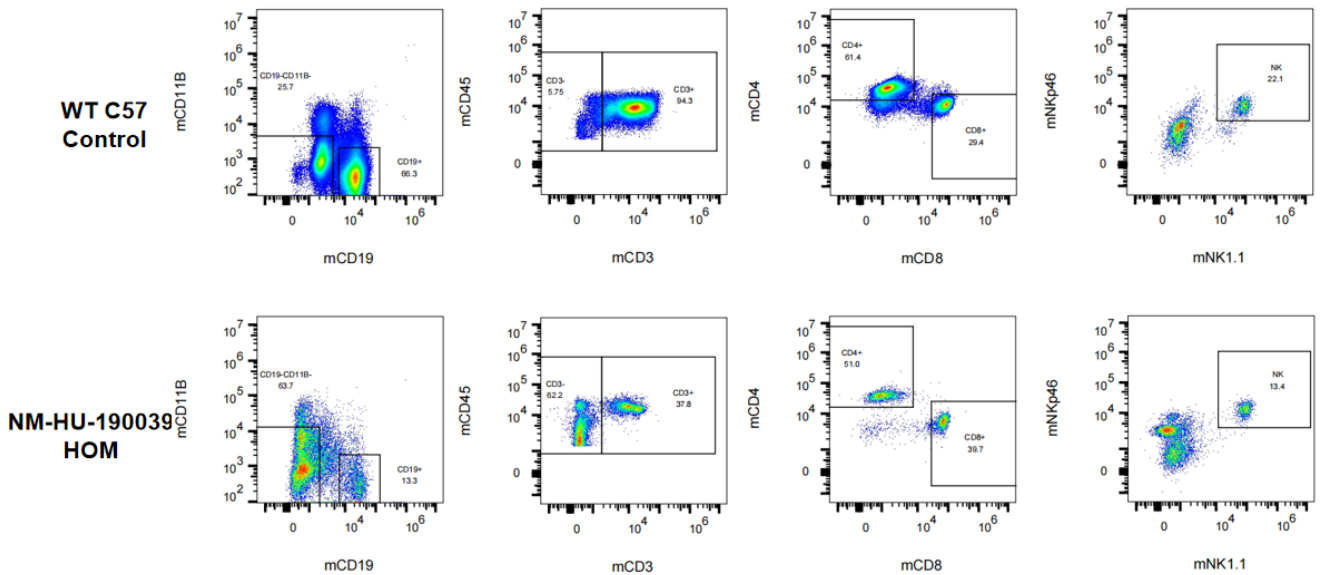


Fig4. Immunotype in spleen in hPD-L1 mice.

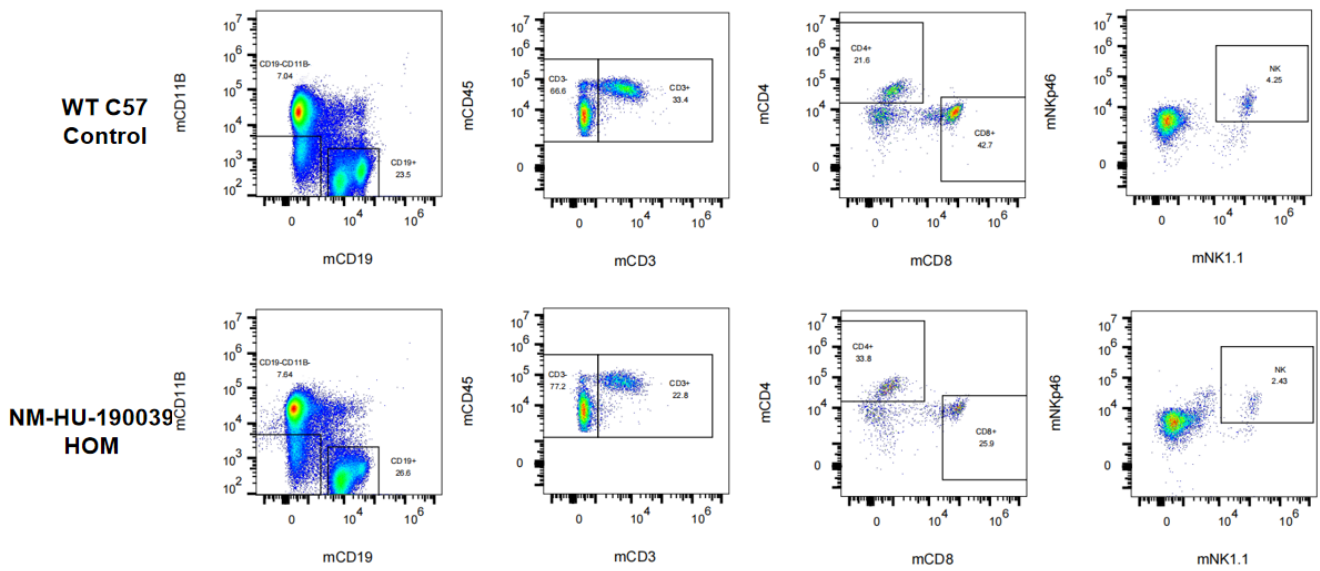
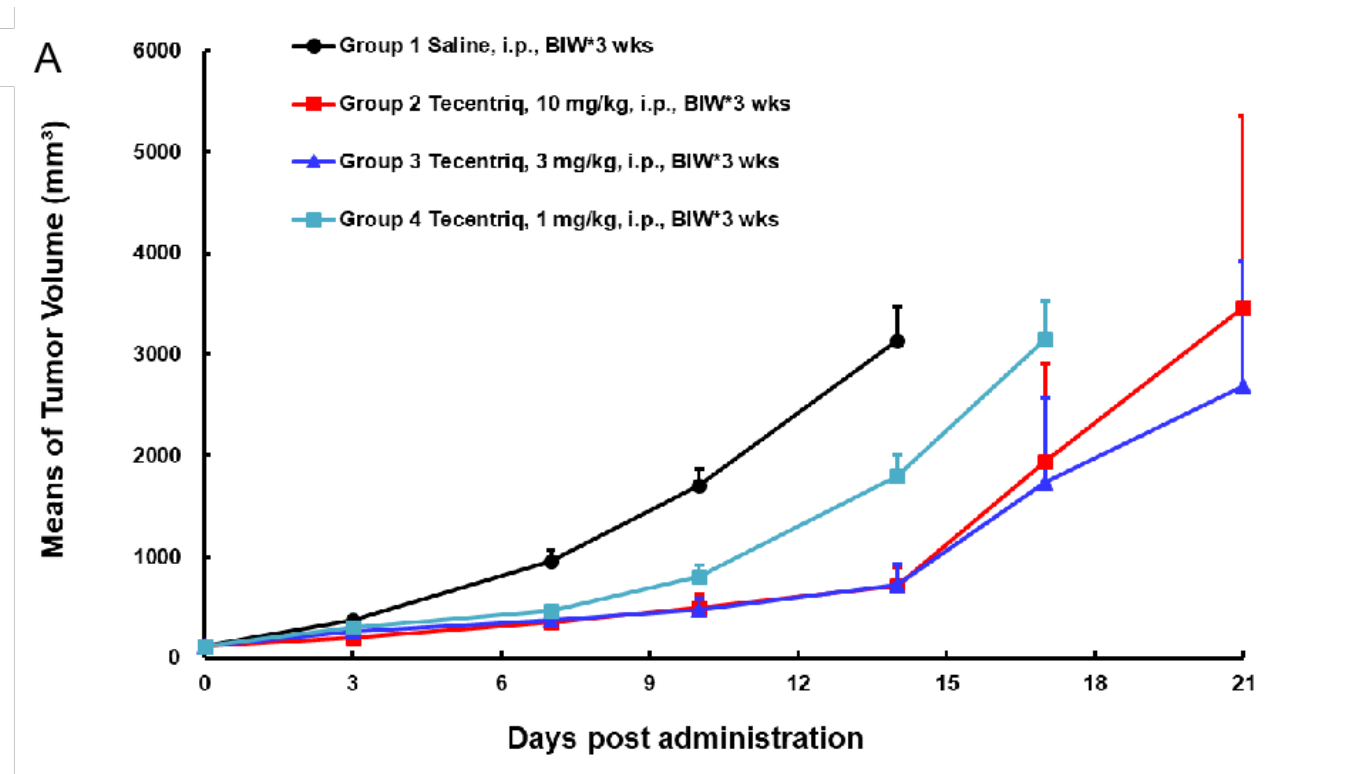


Fig5. Immunotype in bone marrow in hPD-L1 mice.



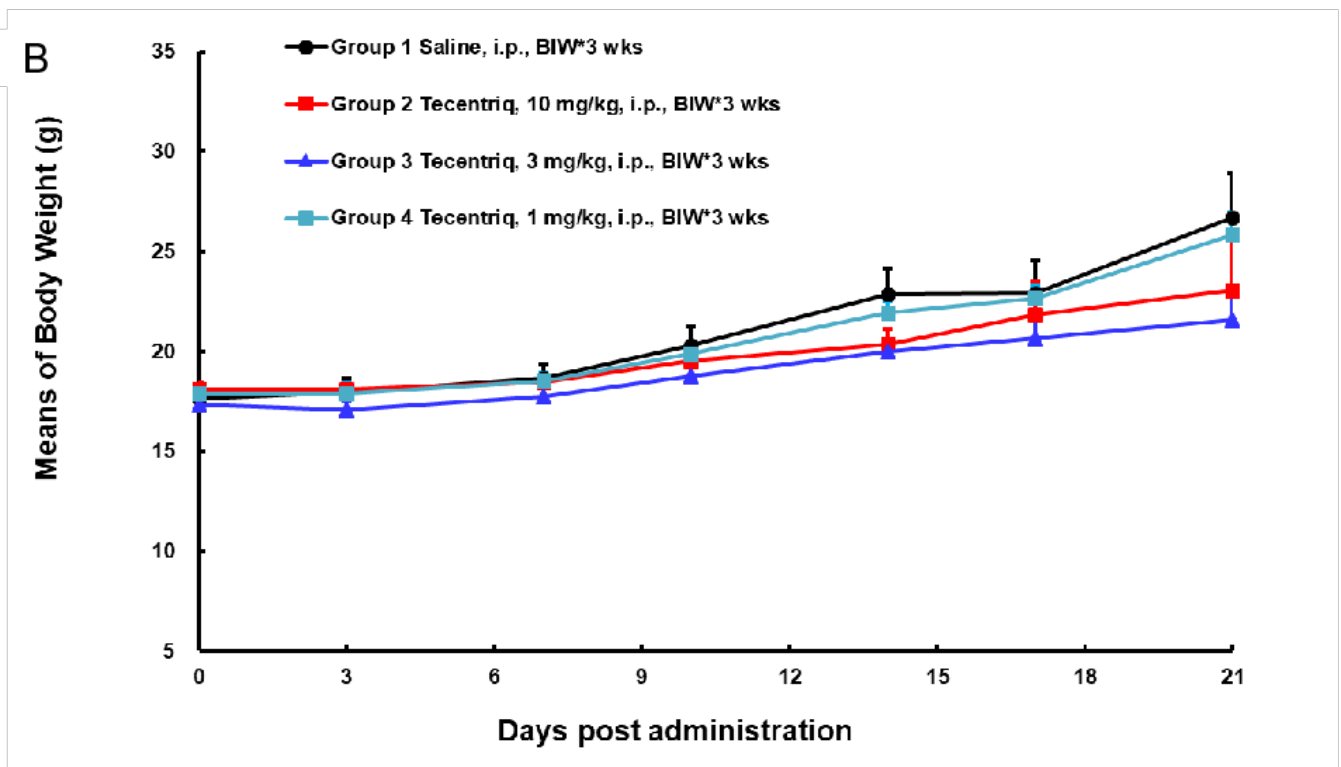


Fig6. *In vivo* anti-tumor effect of an anti-human PD-L1 antibody in the humanized PD-L1 mouse model. (Tecentriq is a monoclonal antibody specific for human PD-L1)(A) PD-L1 humanized MC38 cells were subcutaneously implanted into humanized PD-L1 mouse model. Treatment of hPD-L1 antibody inhibited PD-L1 humanized MC38 tumor growth, demonstrating that the humanized PD-L1 mice are a good *in vivo* model for validating the efficacy of antibodies targeting human PD-L1. (B) Mean body weight of mice. All quantitative data are represented as mean \pm SEM.