

# hPD-1/hPD-L1

<b>Nomenclature</b>	C57BL/6Smoc- <i>Pdcd1</i> <sup>em1(hPDCD1)</sup> <i>Cd274</i> <sup>em1(hPD-L1)Smoc</sup>
<b>Cat. NO.</b>	NM-HU-00100
<b>Strain State</b>	Repository Live

## Gene Summary

Gene Symbol <b>Pdcd1</b>	<b>Synonyms</b>	PD-1; Pdc1; Ly101
	<b>NCBI ID</b>	<a href="#">18566</a>
	<b>MGI ID</b>	<a href="#">104879</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000026285</a>
	<b>Human Ortholog</b>	PDCD1
Gene Symbol <b>Cd274</b>	<b>Synonyms</b>	B7h1; Pdl1; Pdcd1l1; Pdcd1lg1; A530045L16Rik
	<b>NCBI ID</b>	<a href="#">60533</a>
	<b>MGI ID</b>	<a href="#">1926446</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000016496</a>
	<b>Human Ortholog</b>	CD274

## Model Description

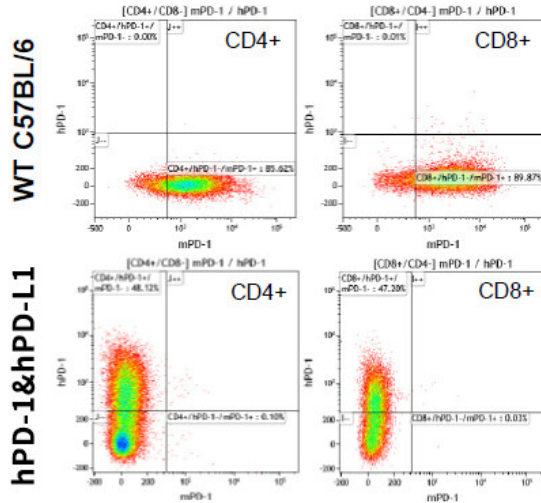
hPD-1(NM-HU-00015) was crossed with hPD-L1(NM-HU-00062)to generate hPD-1/hPD-L1 mice

**Research Application:** Immunotherapy,cancer research,drug screening

\*Literature published using this strain should indicate: hPD-1/hPD-L1 mice (Cat. NO. NM-HU-00100) were purchased from Shanghai Model Organisms Center, Inc..

## Validation Data

## PD-1 expression in stimulated T cells



## PD-L1 expression in B/T cells

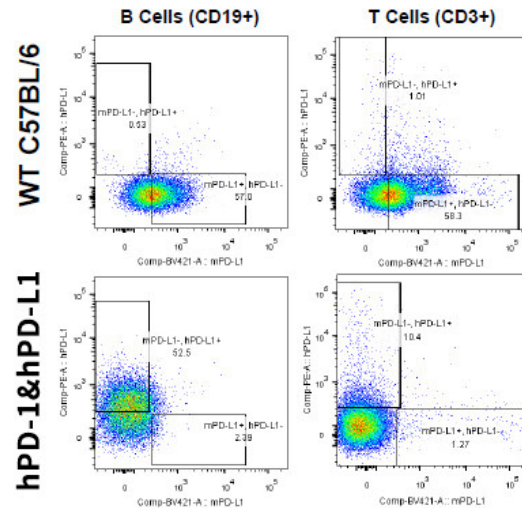


Fig1. The expression of human PD-1 and PD-L1 in double humanized PD-1&PD-L1 mice was confirmed by FACS.

## Efficacy study

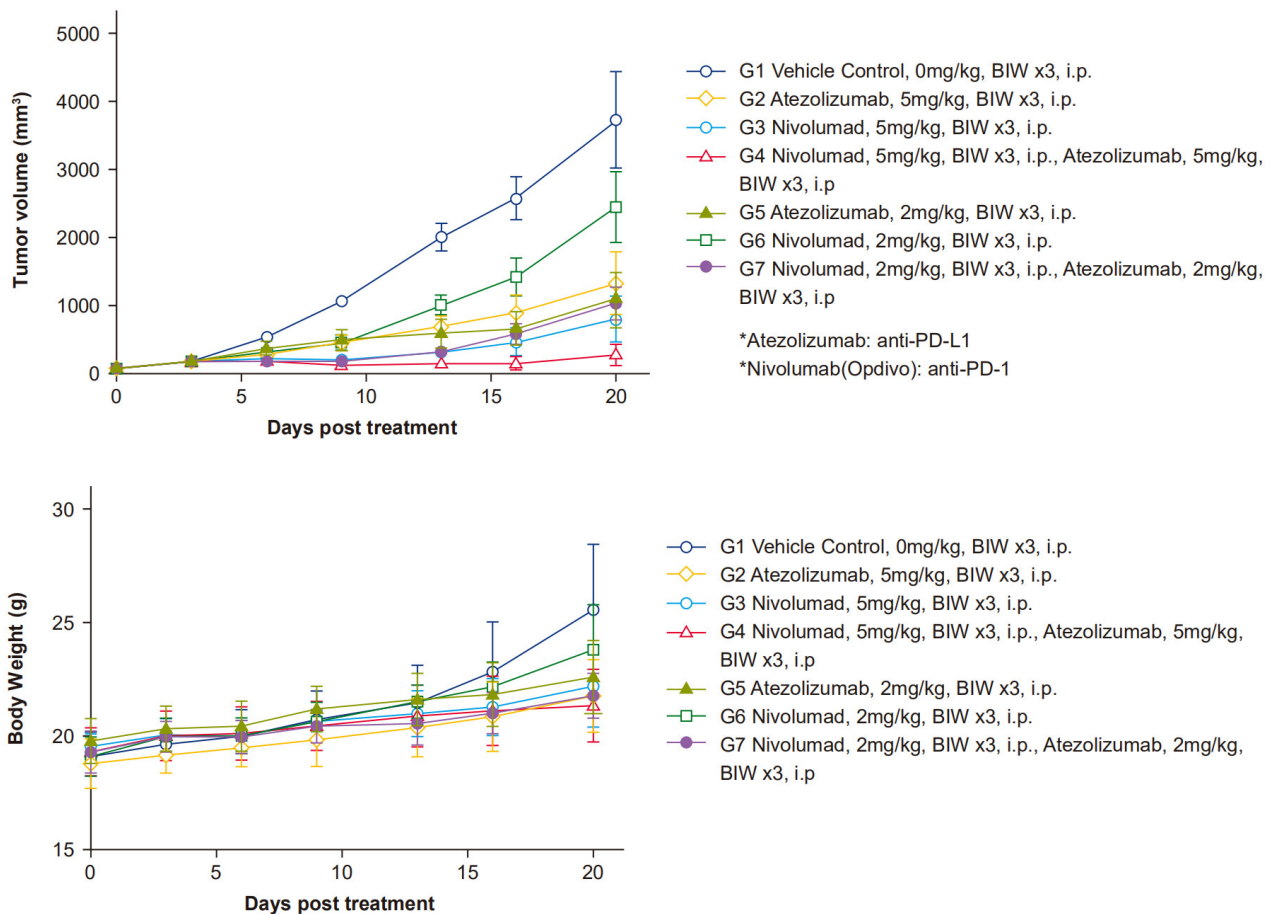


Fig2. In vivo validation of double humanized PD-1&PD-L1 mice. Double humanized mice were

inoculated with MC38 cells, and randomly assigned to different groups (n=8) when the tumor grew to a volume of 100 mm<sup>3</sup>. A combinatorial treatment of anti-PD-L1 and anti-PD-1 demonstrated a noticeable efficacy improvement compared to the same dose of single agent (top) without affecting the animal body weight (Bottom).

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