

hPD-1(BALB/c)

品系全名	BALB/cAnSmoc- <i>Pdcd1</i> ^{em1(hPDCD1)Smoc}
目录号	NM-HU-190079
品系状态	胚胎冻存

基因信息

基因名	基因曾用名	PD-1 Pdc1 Ly101
	NCBI ID	18566
	MGI ID	104879
	Ensembl ID	ENSMUSG00000026285
	人类同源基因	PDCD1

品系描述

通过同源重组，将小鼠*Pdcd1*基因进行人源化修饰。

应用领域：肿瘤研究；免疫治疗；药物筛选；

*使用本品系发表的文献需注明：hPD-1(BALB/c) mice (Cat. NO. NM-HU-190079) were purchased from Shanghai Model Organisms Center, Inc..

验证数据

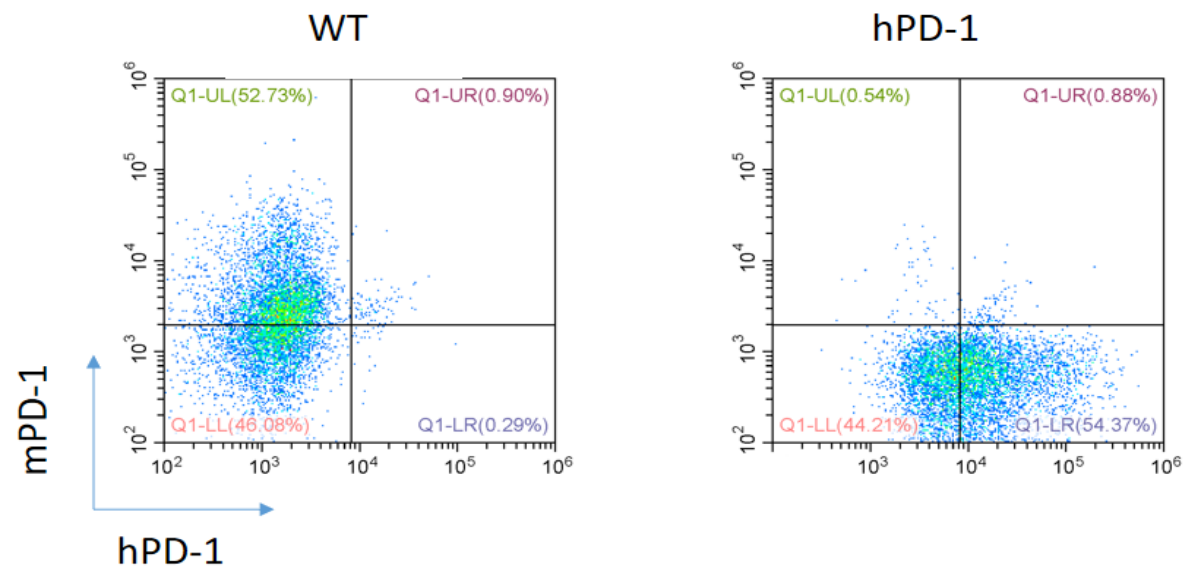


Fig1. Expression of PD-1 in the activated spleen lymphocytes of homozygous humanized PD-1 BALB/c KI mice is detected by FACS.

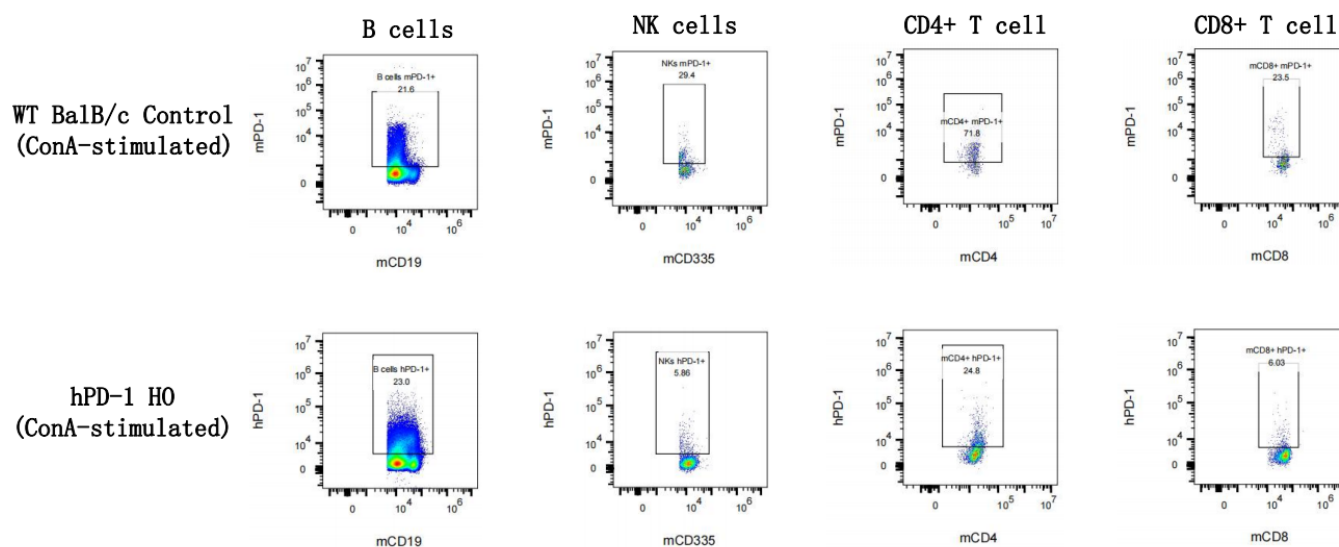
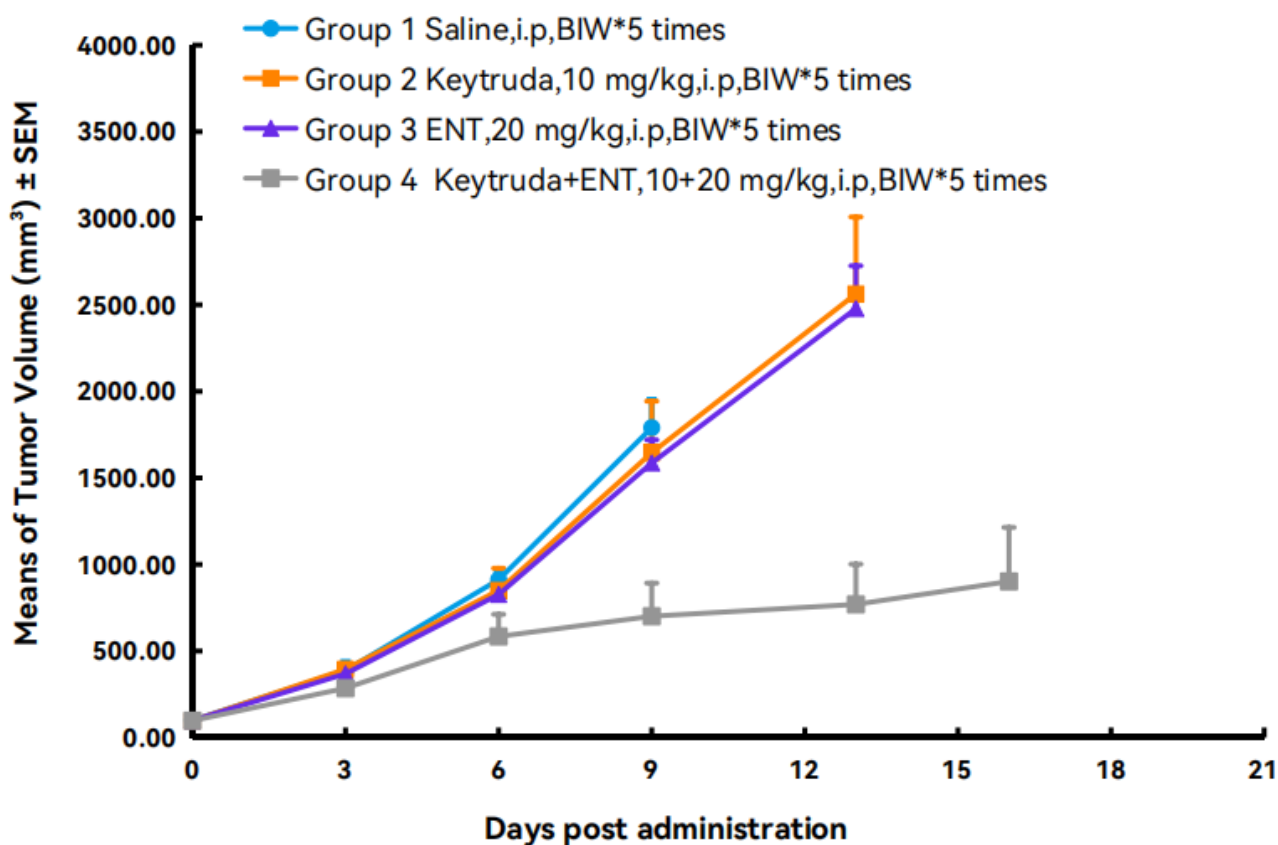


Fig2. Detection of hPD-1 expression on B cells, T cells and NKs in Bone Marrow in hPD-1 KI mice.



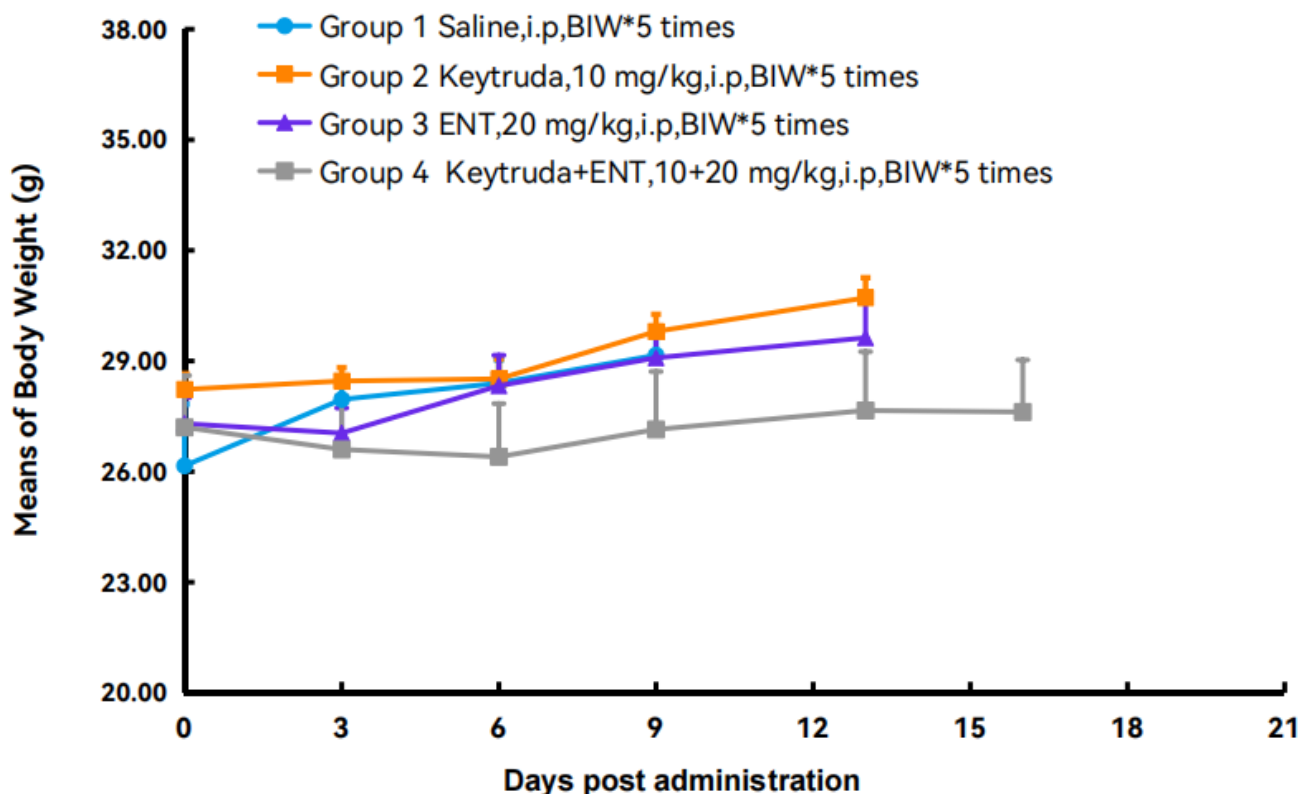


Fig3. *In vivo* validation of homozygous BALB/c-hPD1 mice. The homozygous BALB/c-hPD1 mice were inoculated with CT26 cells, and randomly assigned to different groups (n=7) when the tumor grew to a volume of 100 mm³. A combinatorial treatment of anti-hPD1 antibody Keytruda and entinostat (ENT; a class I HDAC inhibitor) demonstrated a noticeable efficacy improvement compared to the same dose of single agent (A) without affecting the animal body weight (B).

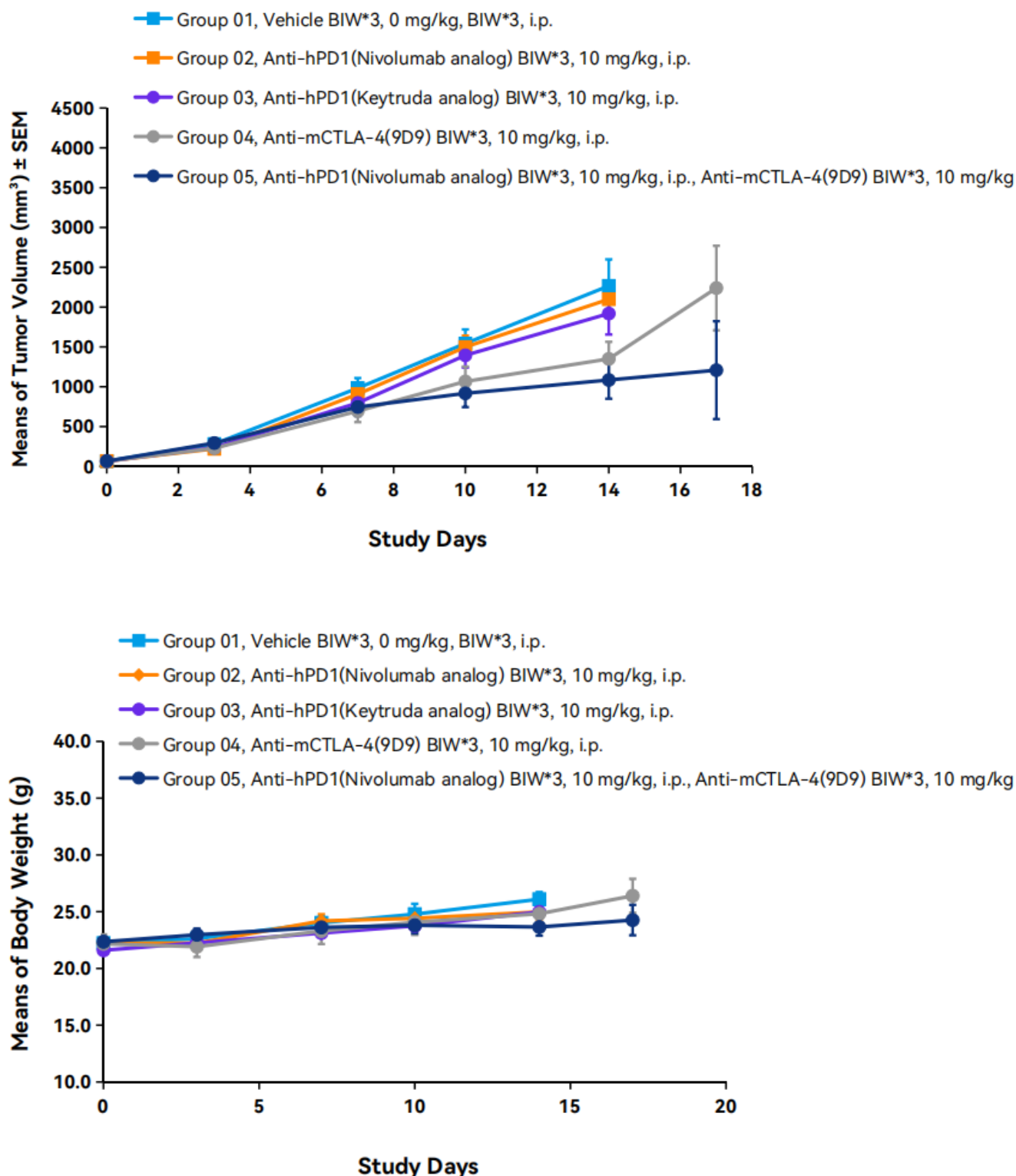


Fig7. *In vivo* validation of homozygous BALB/c-hPD1 mice. The homozygous BALB/c-hPD1 mice were inoculated with CT26 cells, and randomly assigned to different groups (n=6) when the tumor grew to a volume of 65 mm³. A combinatorial treatment of anti-hPD1 antibody Opdivo and anti-mCTLA antibody demonstrated a noticeable efficacy improvement compared to the same dose of single agent (A) without affecting the animal body weight (B). (In collaboration with Crownbio)

