Crbn-I391V

Nomenclature	C57BL/6Smoc-*Crbn*$^{em1(I391V)Smoc}$
Cat. NO.	NM-KI-200331
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol **Crbn**	**Synonyms**	piL; AF229032; AW108261; 2610203G15Rik; 2900045O07Rik
	NCBI ID	58799
	MGI ID	1913277
	Ensembl ID	ENSMUSG00000005362
	Human Ortholog	CRBN

Model Description

These mice carry a p.I391V mutation of Crbn gene.
*Literature published using this strain should indicate: Crbn-I391V mice (Cat. NO. NM-KI-200331) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

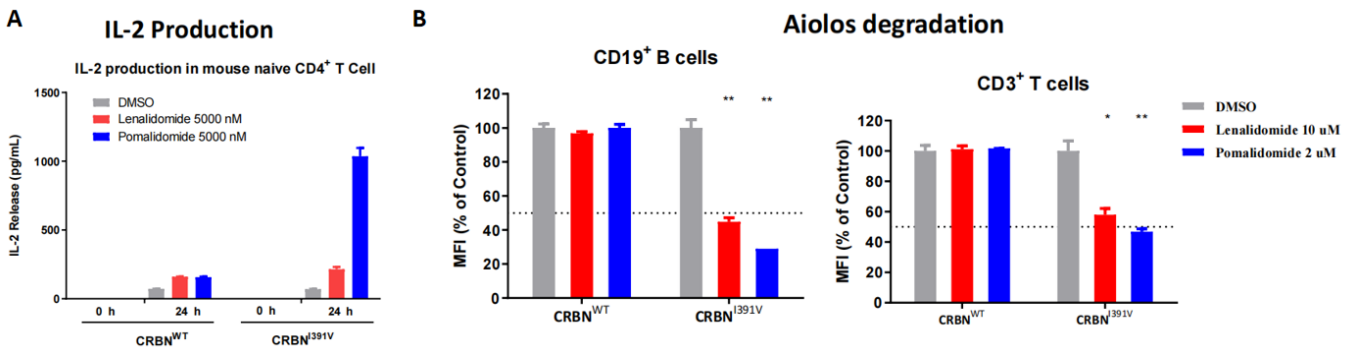

Fig1. CRBN modulators induced IL-2 secretion and Aiolos degradation in Crbn-I391V point mutation mice.

（A）Analysis of IL-2 production in naive CD4+ T cells by ELISA. After Lenalidomide 5000nM or Pomalidomide 5000nM treatment, CRBN modulators induced IL-2 secretion in naive CD4+ T cells.

（B）Analysis of Aiolos expression in the spleen by FACS. After Lenalidomide 10uM or Pomalidomide 5000nM treatment, the AIOLOS expression decreased obviously in CD19+ B cells and CD3+ T cells. The results have shown that this Crbn-I391V KI mice model can be used to study the in vivo toxicity and efficacy of CRBN target drugs. (In collaboration with partners)