

hIL2/hIL2RA

Nomenclature	C57BL/6Smoc- <i>Il2</i> ^{tm3(hIL2)} / <i>Il2ra</i> ^{tm1(hIL2RA)} /Smoc
Cat. NO.	NM-HU-200275
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol	Synonyms	IL-2, I, CD25, IL2r, Ly-4, Ly-43
	NCBI ID	16183 , 16184
	MGI ID	96548 , 96549
	Ensembl ID	ENSMUSG00000027720 , ENSMUSG0000026770
	Human Ortholog	IL-2, IL2RA

Model Description

hIL2(NM-HU-190048) was crossed with hIL2R(NM-HU-190064) to generate IhIL2/hIL2RA mice. *Literature published using this strain should indicate: hIL2/hIL2RA mice (Cat. NO. NM-HU-200275) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

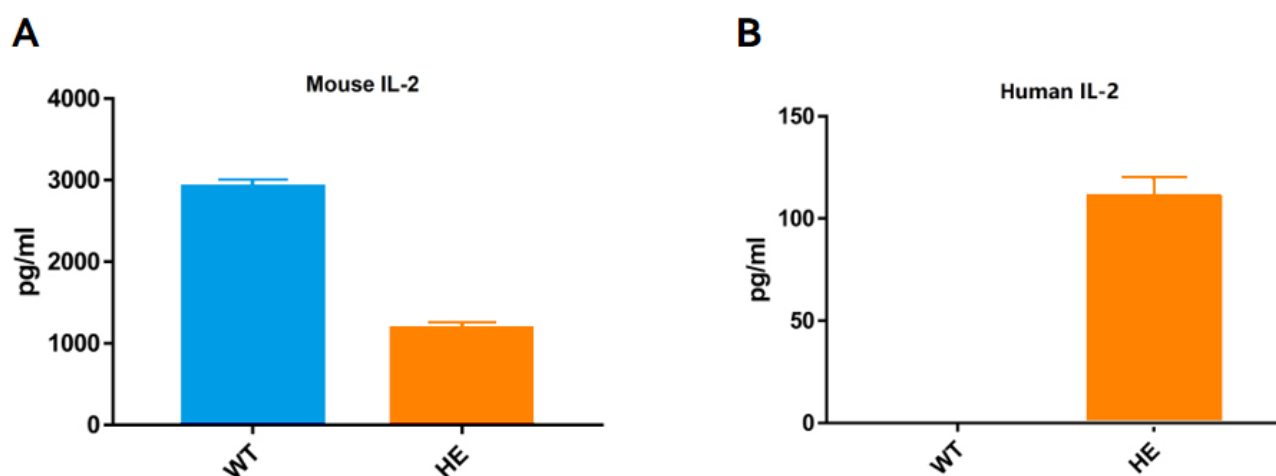


Fig1. Detection of hIL-2 expression by ELISA in the hIL-2 knockin mice (Wild type and heterozygous hIL-2 KI mice were administrated with concanavalin).

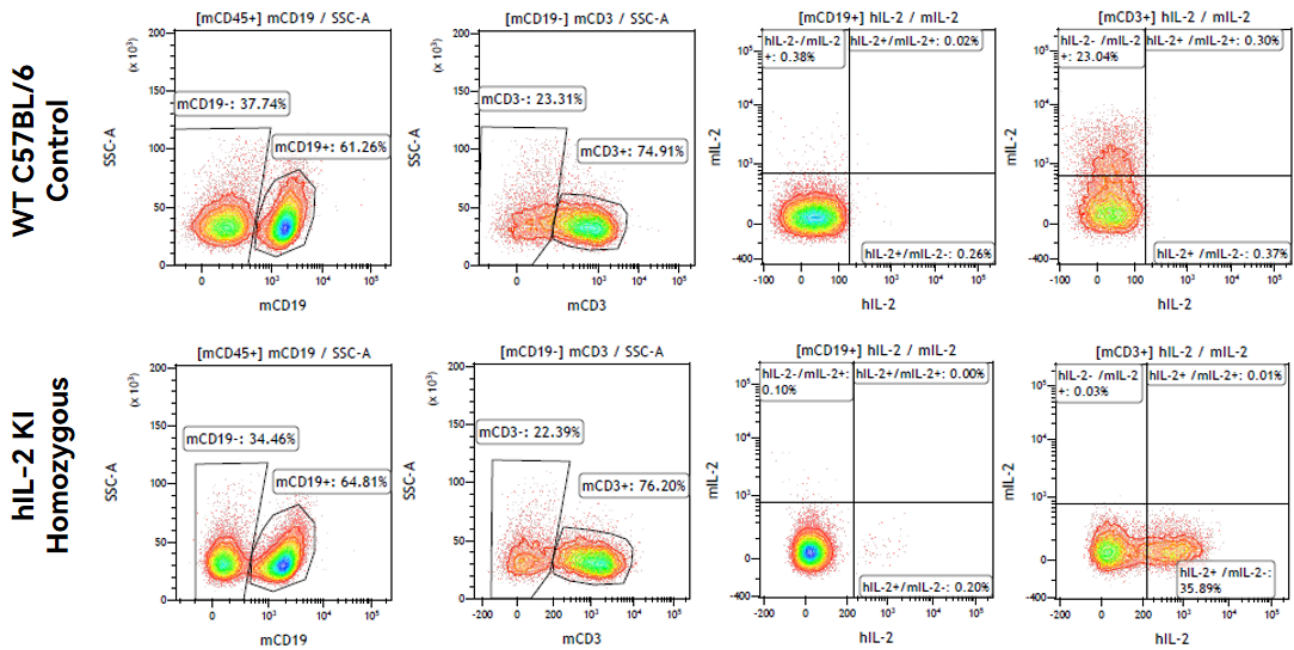


Fig2. Intracellular staining of IL-2 by FACS post stimulation with anti-mCD3/anti-mCD28 (In collaboration with CrownBio).

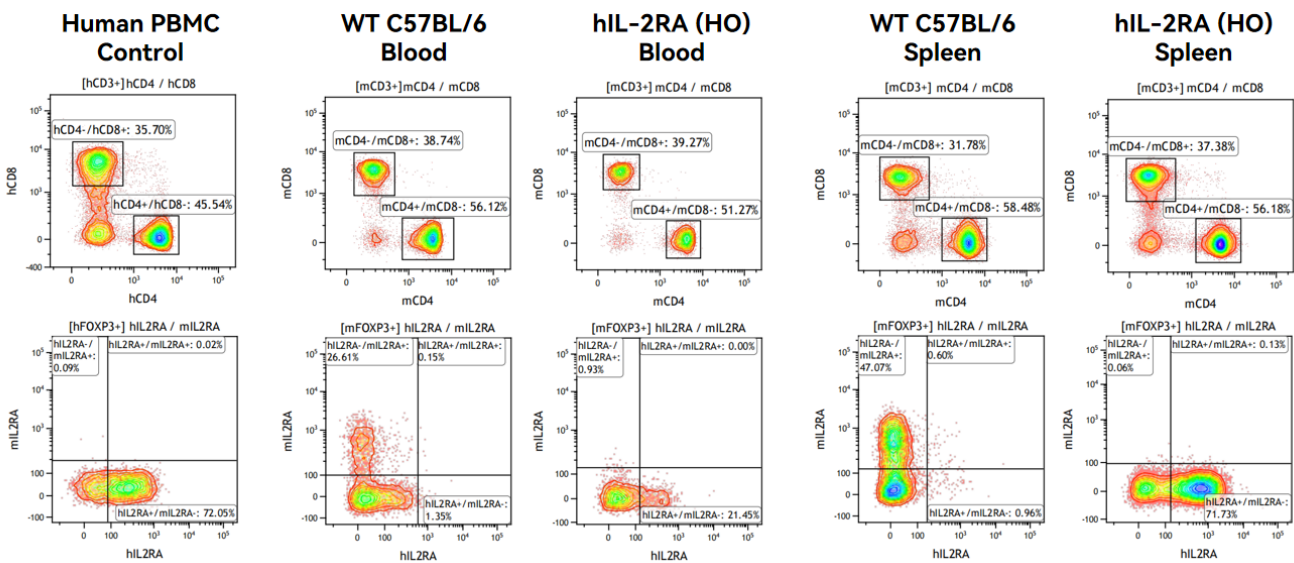


Fig3. IL-2RA humanized mouse expresses hIL-2RA (hCD25) on naïve Treg in blood (In collaboration with CrownBio).

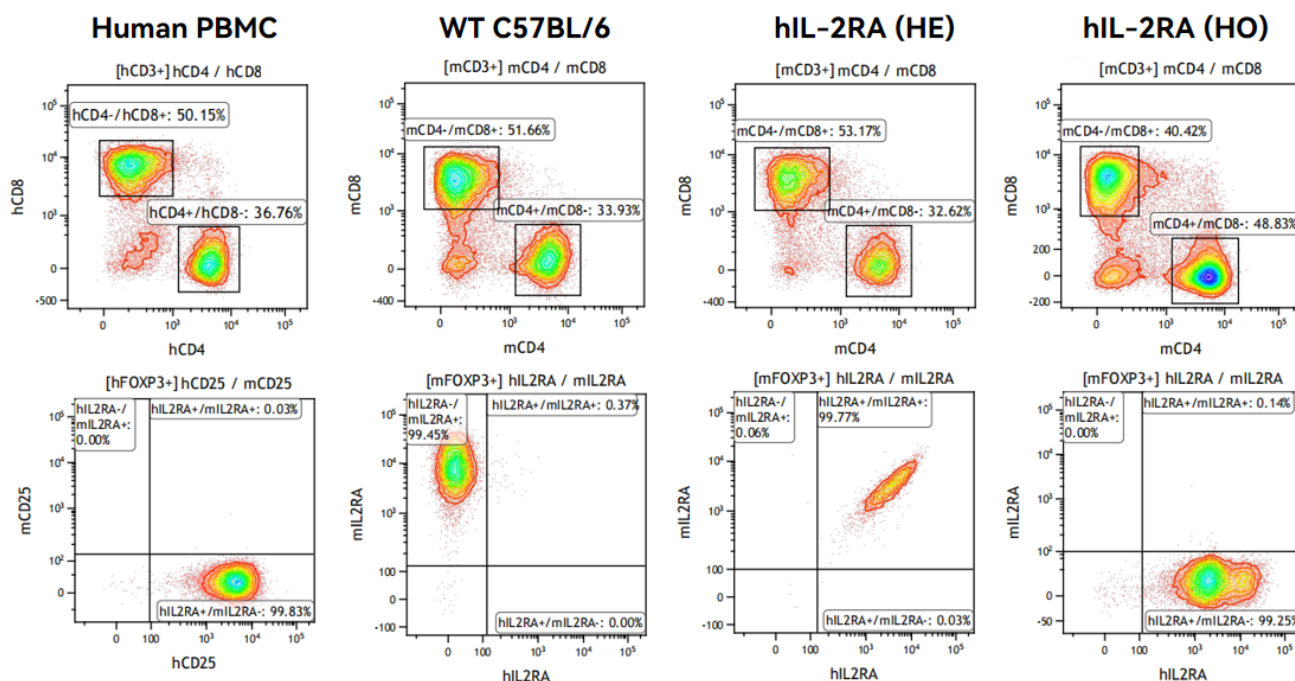


Fig4. hIL-2RA is highly expressed on activated Tregs in spleen in the IL-2RA humanized mouse (In collaboration with CrownBio).

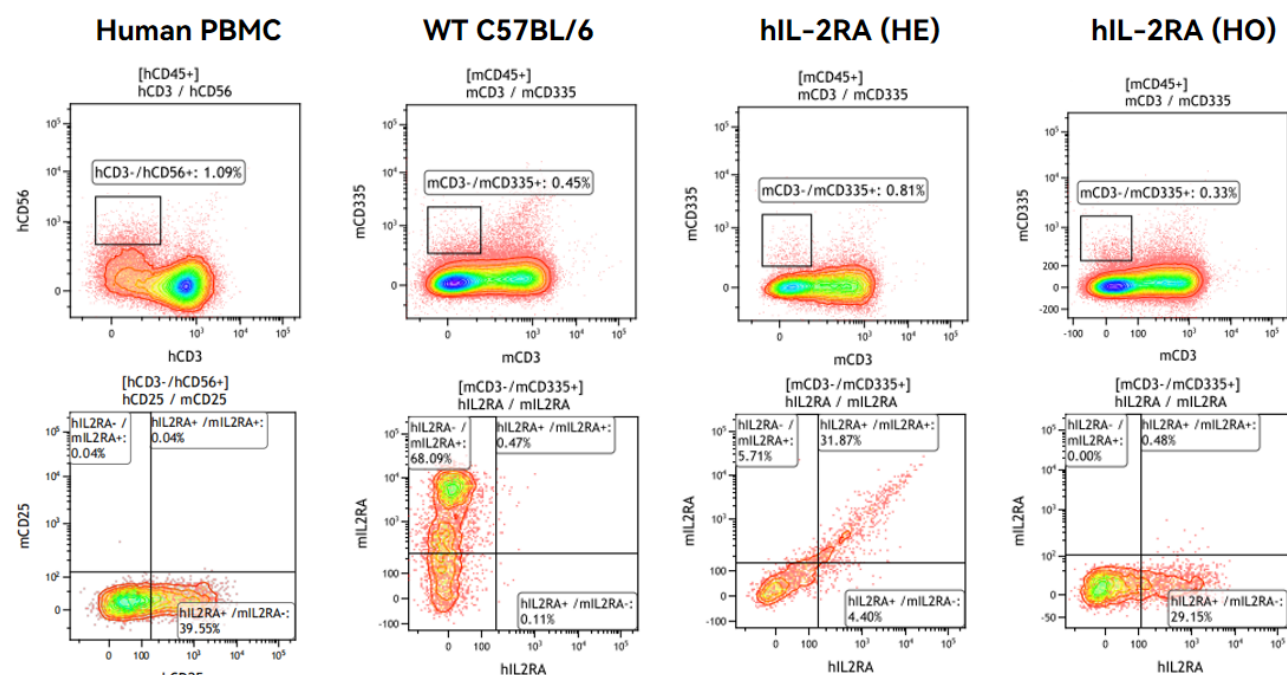


Fig5. hIL-2RA is highly expressed on activated NK cells in spleen in the IL-2RA humanized mouse (In collaboration with CrownBio).