

# hIL2/hIL2RA

|      |                                                                                        |
|------|----------------------------------------------------------------------------------------|
| 品系全名 | C57BL/6Smoc- <i>Il2</i> <sup>tm3(hIL2)</sup> <i>Il2ra</i> <sup>tm1(hIL2RA)</sup> /Smoc |
| 目录号  | NM-HU-200275                                                                           |
| 品系状态 | 胚胎冻存                                                                                   |

## 基因信息

|     |            |                                                                         |
|-----|------------|-------------------------------------------------------------------------|
| 基因名 | 基因曾用名      | Il-2, I, CD25, Il2r, Ly-4, Ly-43                                        |
|     | NCBI ID    | <a href="#">16183</a> , <a href="#">16184</a>                           |
|     | MGI ID     | <a href="#">96548</a> , <a href="#">96549</a>                           |
|     | Ensembl ID | <a href="#">ENSMUSG00000027720</a> , <a href="#">ENSMUSG00000026770</a> |
|     | 人类同源基因     | IL-2, IL2RA                                                             |

## 品系描述

通过hIL2(NM-HU-190048)与hIL2R(NM-HU-190064)小鼠交配获得

**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: hIL2/hIL2RA mice (Cat. NO. NM-HU-200275) were purchased from Shanghai Model Organisms Center, Inc..

## 验证数据

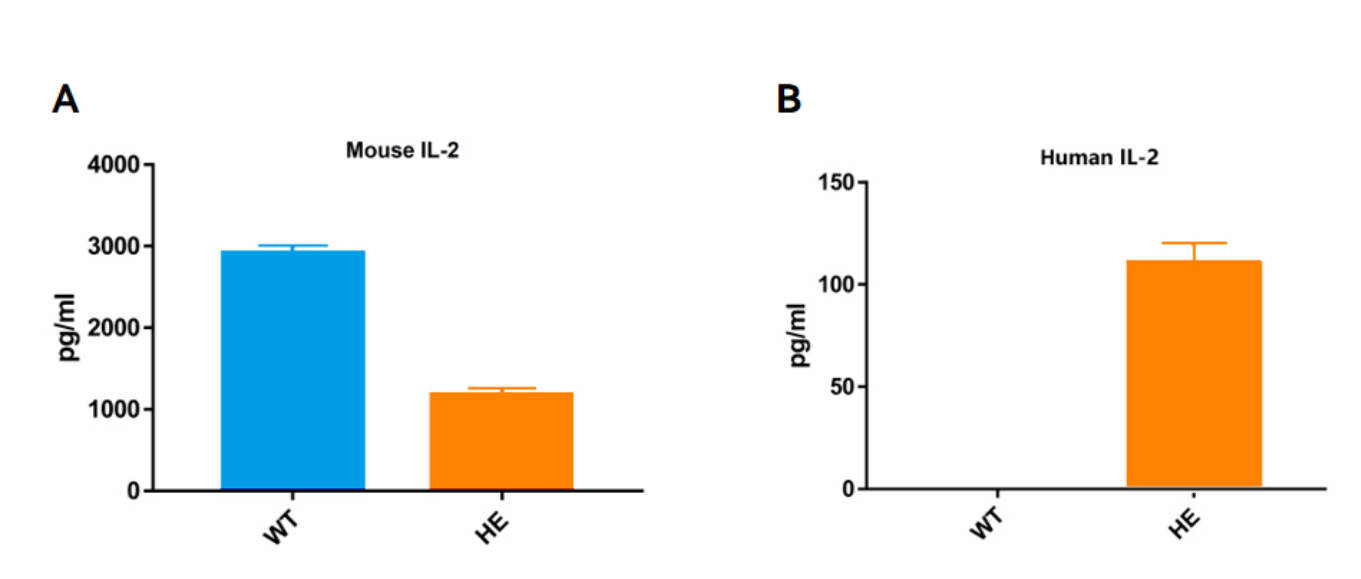


Fig1. Detection of hIL-2 expression by ELISA in the hIL-2 knockin mice (Wild type and

heterozygous hIL-2 KI mice were administrated with concanavalin).

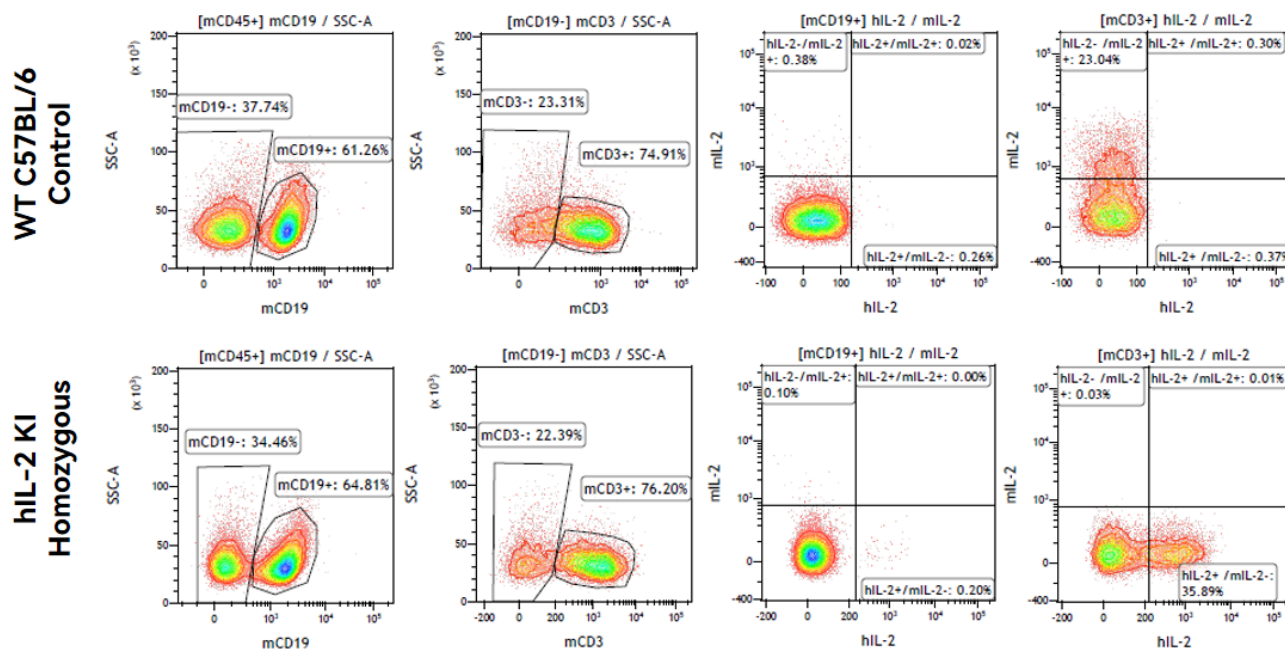


Fig2. Intracellular staining of IL-2 by FACS post stimulation with anti-mCD3/anti-mCD28 (In collaboration with CrownBio).

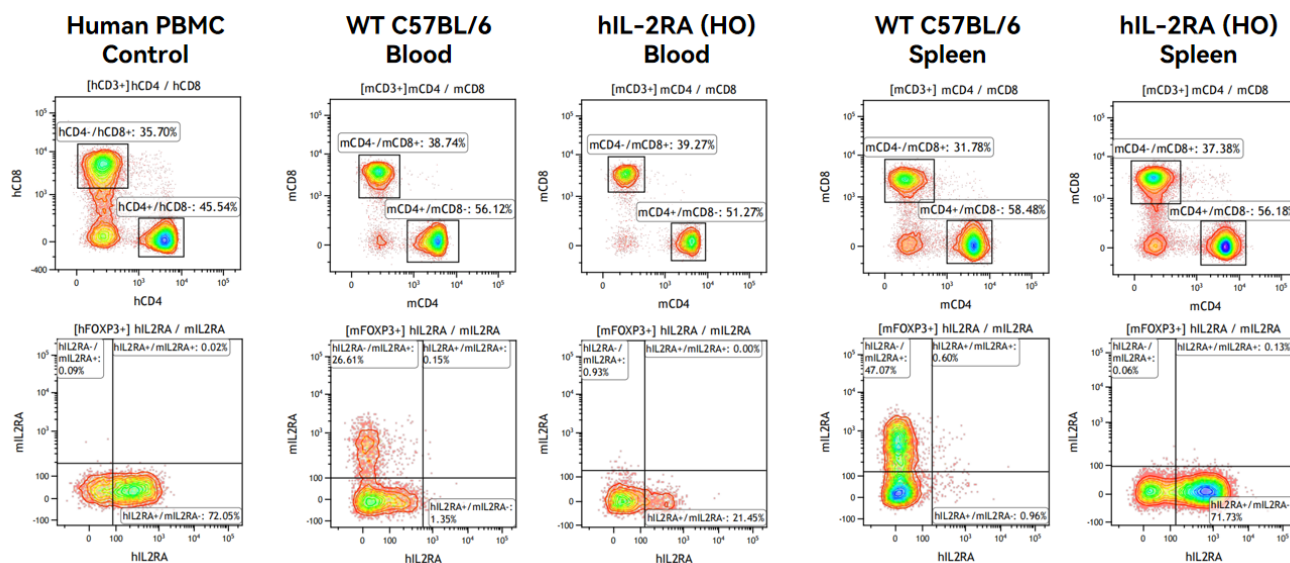


Fig3. IL-2RA humanized mouse expresses hIL-2RA (hCD25) on naïve Treg in blood (In collaboration with CrownBio).

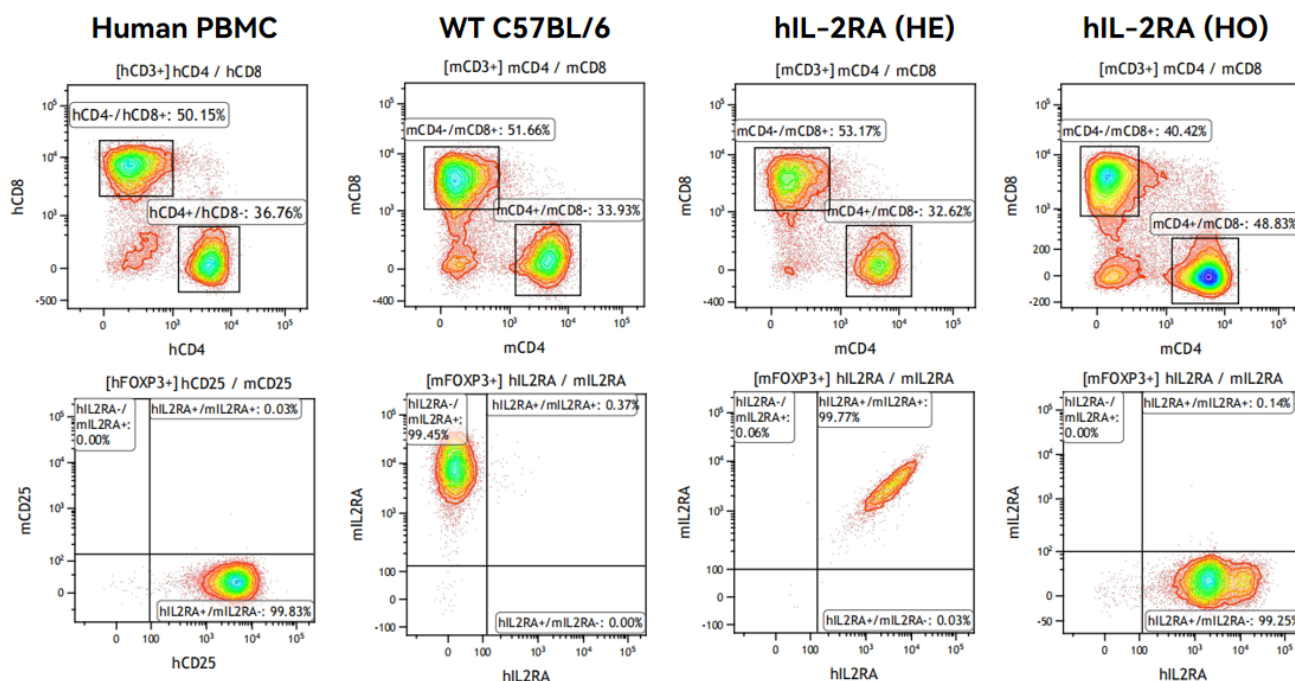


Fig4. hIL-2RA is highly expressed on activated Tregs in spleen in the IL-2RA humanized mouse (In collaboration with CrownBio).

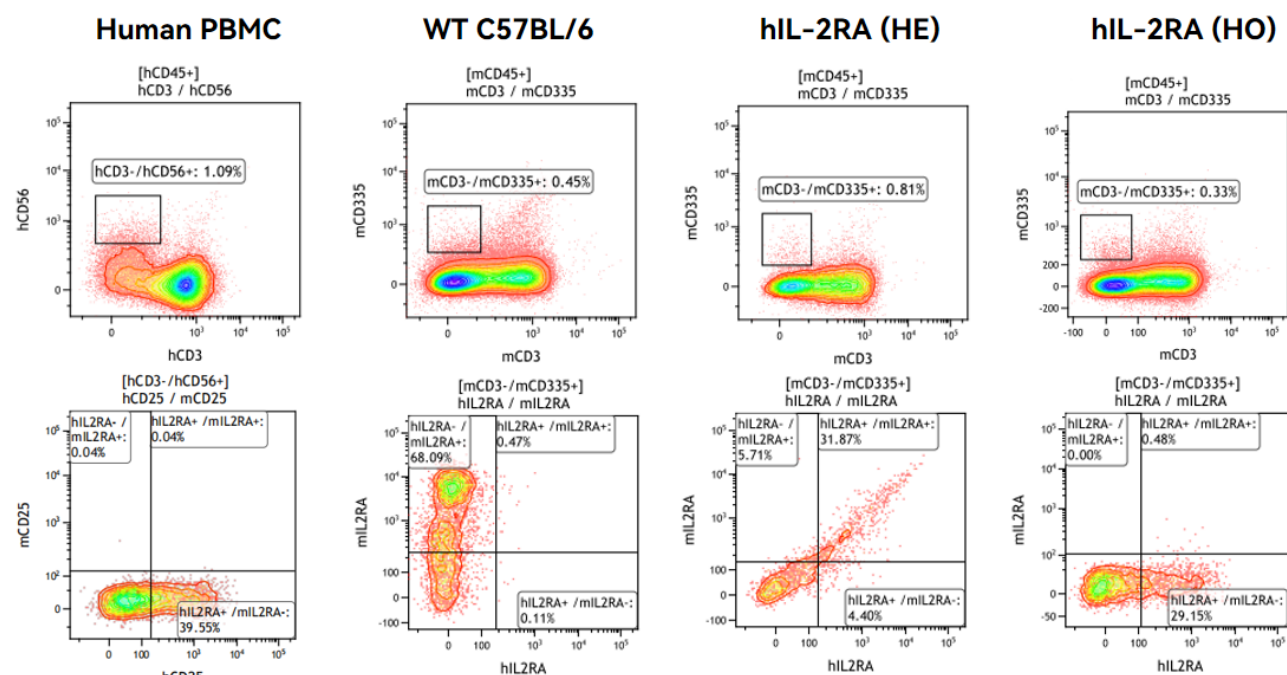


Fig5. hIL-2RA is highly expressed on activated NK cells in spleen in the IL-2RA humanized mouse (In collaboration with CrownBio).