

## List of next generation immunodeficient mice

<b>NOGF-IL15</b> (NOG-FcγR KO, hIL-15 Tg)	
Strain name	NOD.Cg-Prkdc<scid> Il2rg<tm1Sug> Fcer1g<tm1Rav> Fcgr2b<tm1Ttk> Tg(CMV-IL15)/Jic
Strain description	Transgenic NOGF mice that systemically express the human IL-15 gene. When mature NK cells derived from human peripheral blood are transferred, NK cells are maintained for a long period of time.
Strain development	It was established by crossing NOG-IL-15 Tg mice and NOG-FcγR KO mice. (NOG-FcγR KO: A strain of NOD-FcγR KO established by Professor Takai of Tohoku University introduced from RIKEN BRC (RBRC02330) and bred by mating with NOG mouse)
Research application	It can be used as a human cancer immune model using human NK cells as an effector. Attenuated mouse ADCP activity improves detection sensitivity of human immune response.
References	Katano I. et al. (2020) Improved Detection of in vivo Human NK Cell-Mediated Antibody-Dependent Cellular Cytotoxicity Using a Novel NOG-FcγR-Deficient Human IL-15 Transgenic Mouse. Front Immunol. Oct 7;11:532684.
URL	<a href="https://pubmed.ncbi.nlm.nih.gov/33117338/">https://pubmed.ncbi.nlm.nih.gov/33117338/</a>
Remarks	-