

List of next generation immunodeficient mice

NOG-IL1b/IL23 (NOG-hIL-1β/IL-23 Tg)	
Strain name	NOD.Cg-Prkdc<scid> Il2rg<tm1Sug> Tg(CMV-IL1B, IL23A, IL12B)/Jic
Strain description	Transgenic NOG mice that systemically express the human IL-1b gene and the human IL-23 gene. Transferring human CD4 T cells results in skin GVHD.
Strain development	A vector in which the human IL-1b gene and human IL-23p19, IL-12p40 were placed downstream of the CMV promoter was microinjected into (NOD ♀ x NOG ♂) F1 pronuclear fertilized eggs and bred with NOG mice.
Research application	Human Th17-mediated disease model
References	Ito R. et al. (2019) Exacerbation of pathogenic Th17-cell-mediated cutaneous graft-versus-host-disease in human IL-1 β and IL-23 transgenic humanized mice. Biochem Biophys Res Commun 516(2):480-485.
URL	https://pubmed.ncbi.nlm.nih.gov/31230747/
Remarks	-