

<b>NOG-W41</b>	
Strain name	NOD.Cg-Prkdc<scid> Il2rg<tm1Sug> Kit<em1(V831M)Jic>/Jic
Strain description	Human hematopoietic cells are significantly enhanced through the reduction of murine hematopoiesis by c-kitV831M mutation in NOG mice. Whole body irradiation is not necessary for engraftment of human hematopoietic stem cells.
Strain development	NOG-W41 mouse has been established by introduction of c-kitV831M mutated sequence into NOG mouse embryo by TALEN or CRISPR-Cas9 technique.
Research application	Excellent recipient for human hematopoietic cells.
References	Sakurai M, et al. (2023) Chemically defined cytokine-free expansion of human haematopoietic stem cells. Nature. 2023 Mar;615(7950):127-133.
URL	<a href="https://pubmed.ncbi.nlm.nih.gov/36813966/">https://pubmed.ncbi.nlm.nih.gov/36813966/</a>
Remarks	-