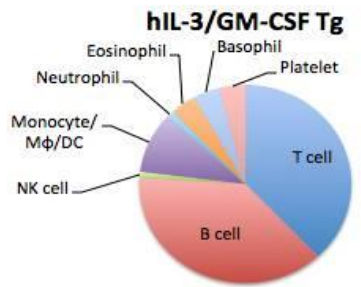


## List of next generation immunodeficient mice

<b>NOG-EXL (NOG-hGM-CSF/hIL-3)</b>	
Strain name	NOD.Cg-Prkdc<scid> Il2rg<tm1Sug> Tg(SRa-IL3, SRa-CSF2)/Jic
Strain description	Transgenic NOG mice that systemically express the human IL-3 gene and the human GM-CSF gene. When human hematopoietic stem cells are transferred, human myeloid cells such as macrophages and mast cells are efficiently differentiated.
Strain development	A vector in which a human IL-3 or GM-CSF gene was placed downstream of the SRa promoter was microinjected into a C57BL/6J-scid mouse embryo, and the obtained transgenic mouse was backcrossed into a NOG mouse to prepare it.
Research application	It is used for various purposes such as human allergy model and cancer-bearing model.
References	Ito R. et al. (2013) Establishment of a human allergy model using human IL-3/GM-CSF-transgenic NOG mice. J Immunol. Sep 15;191(6):2890-9.
URL	<a href="https://pubmed.ncbi.nlm.nih.gov/23956433/">https://pubmed.ncbi.nlm.nih.gov/23956433/</a>
Remarks	<p>Differentiated human cell fraction after HSC transfusion</p>  <p><b>hIL-3/GM-CSF Tg</b></p> <ul style="list-style-type: none"> <li>T cell</li> <li>B cell</li> <li>NK cell</li> <li>Monocyte/Mφ/DC</li> <li>Neutrophil</li> <li>Eosinophil</li> <li>Basophil</li> <li>Platelet</li> </ul>