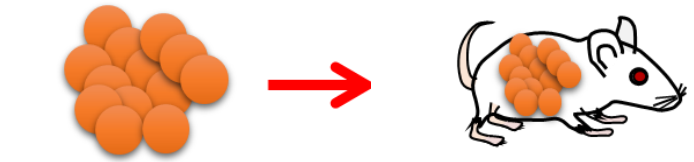
Method for PBMC engrafted humanized NOG-ΔMHC mouse production



5x10^6 hPBMC　　hPBMC transplanted NOG-ΔMHC

- Purchase 6-week-old NOG-ΔMHC mice and acclimatize them for a week.
- Then, transfer 5 x 10^6 PBMCs via the tail vein.
- For NOG-ΔMHC mice, pretreatment such as X-ray irradiation is not required.
- The chimerism rate increases to about 30% from 5 to 8 weeks after PBMC transfer, and then gradually decreases.
- Most of the human CD45$^+$ cells present in peripheral blood are human CD3$^+$ T cells.
- NOG-ΔMHC mice have mouse MHC class I and class II knocked out. Therefore, the GVHD developed by transferred PBMC include human T cells is very mild, and very few individuals reach the end point due to GVHD.

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- Humanized mice engrafted with human peripheral blood mononuclear cells (PBMC) contain human-derived materials. Please obtain the cell information sheet in advance, check it, and use it according to the rules of each institution.
- PBMC engrafted humanized NOG-ΔMHC mice are also available.
- (In case you purchase ready-made humanized NOG-ΔMHC mice from In-Vivo Science, we will provide you with a cell information sheet.)

➢ Regarding order of NOG-ΔMHC, hPBMC engrafted humanized NOG-ΔMHC mice and/or questions, please contact In-Vivo Science Inc. through the order form on our website.

➢ https://www.invivoscience.com/order/