

# IgG Humanized Göttingen Minipigs Now commercially available

## Introduction

Genetically altered Göttingen Minipigs carrying a mini repertoire of human Ig- $\gamma$ 1/ $\gamma$ 4 heavy and the human  $\kappa$  light chain genes are available from Ellegaard Göttingen Minipigs A/S.

Humanized Göttingen Minipigs show tolerance to a broad range of human or humanized IgG antibodies, and they provide a novel model for safety testing as well as an alternative for toxicology studies of therapeutic antibodies in non-human primates<sup>1</sup>.

## Ideal model for safety assessments

Testing of human therapeutic antibodies can be challenging due to xeno-responses, resulting in rapid clearance or toxicity. IgG Humanized Göttingen Minipigs is a new model with the ability to predict adverse outcomes in human patients (true anti-drug antibody reactions).

The sensitivity and immunogenic response of humanized Göttingen Minipigs to therapeutic antibodies make them an ideal model for safety assessments of human or humanized IgG based molecules and prediction of possible side effects.

## High health status

IgG Humanized Göttingen Minipigs are bred in our fully AAALAC accredited barrier facility in Denmark. Trait inheritance has been confirmed. They are fully immunocompetent and do not suffer from increased infection load, and the endogenous porcine Ig proteins are intact.

IgG Humanized Göttingen Minipigs have a high health status and are comparable to our standard Göttingen Minipigs.

The model is commercially available in large uniform groups, sexually mature, and ready to use.

<sup>1</sup> Flisikowska T., Egli J., Flisikowski K. et al. A humanized minipig model for the toxicological testing of therapeutic recombinant antibodies. *Nat. Biomed. Eng* (2022). <https://doi.org/10.1038/s41551-022-00921-2>



## Did you know...


At Ellegaard Göttingen Minipigs Research Facility, it is possible to test your compounds and perform exploratory and preliminary non-GLP studies in IgG Göttingen Minipigs - please contact us for further information.

**Need more information? Please contact us with your enquiry at [orders@minipigs.dk](mailto:orders@minipigs.dk) or +45 5818 5818.**

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