Large Cell Lung Carcinoma 
Xenograft Tumor Model

MODEL | NOMENCLATURE | HAIR | T CELLS | B CELLS | NK CELLS
--- | --- | --- | --- | --- | ---
Athymic Nude Mouse | Hsd:Athymic Nude-Foxn1™ | No | Nonfunctional | Functional | Functional

**Model**

The athymic nude mouse has an autosomal recessive mutation on *nu* locus on chromosome 11. The hairless model is T-cell deficient and accepts xenograft transplantation.

**Cell Line**

Human H460 (NCI-H460) cells sourced from ATCC® (Number: HTB-177™) were implanted into a cohort of athymic nude mice. Female mice at approximately 8 weeks of age were implanted with 5.0e6 cells with GFR Matrigel (1:1 dilution) into the subcutaneous space of the right flank.

**Tumor Growth in vivo**

The mice were maintained in a barrier under controlled environmental conditions. The mice consumed Teklad Global Rodent Diet 2914 (14% protein). Body weights were taken and tumor measurements were assessed with a caliper twice per week.

![Tumor Growth Rate for H460 (NCI-H460) Cells Inoculated into Female Athymic Nude Mice](image)

Data shown as mean values; N=5
Tumor growth study services conducted by Covance, Inc.