Papillary Adenocarcinoma
Xenograft Tumor Model

**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 H441 (NCI-H441) cells sourced from ATCC® (Number: HTB-174™) 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 H441 (NCI-H441) Cells Inoculated into Female Athymic Nude Mice](image)

Data shown as mean values; N=10

Tumor growth study services conducted by Covance, Inc.

**Table: Model Nomenclature**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>NOMENCLATURE</th>
<th>HAIR</th>
<th>T CELLS</th>
<th>B CELLS</th>
<th>NK CELLS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Athymic Nude Mouse</td>
<td>Hsd:Athymic Nude-Foxn1™</td>
<td>No</td>
<td>Nonfunctional</td>
<td>Functional</td>
<td>Functional</td>
</tr>
</tbody>
</table>

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