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Oncology
Cell Line: A253

Epidermoid Carcinoma

Xenograft Tumor Model

MODEL	NOMENCLATURE	HAIR	T CELLS	B CELLS	NK CELLS
Athymic Nude Mouse	Hsd:Athymic Nude-*Foxn1*^{nu}	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.

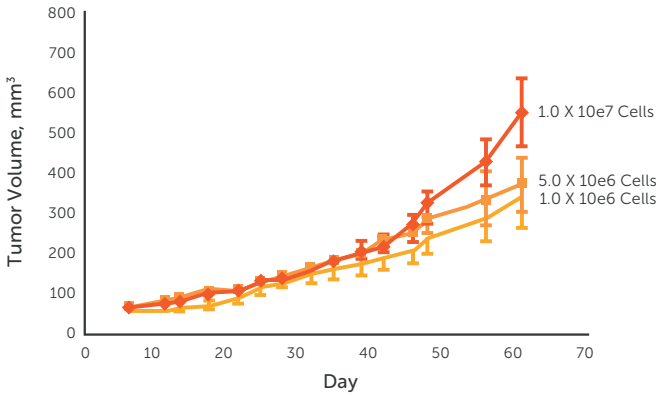
CELL LINE

Human A253 cells sourced from ATCC® (Number: HTB-41™) were implanted into cohorts of athymic nude mice. Female mice at approximately 8 weeks of age were implanted with 1.0e7, 5.0e6, or 1.0e6 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 A253 Cells Inoculated into Female Athymic Nude Mice



Data shown as mean values; N=10
Tumor growth study services conducted by Labcorp Drug Development