



Oncology
Cell Line: MV-4-11

Acute Promyelocytic Leukemia

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.

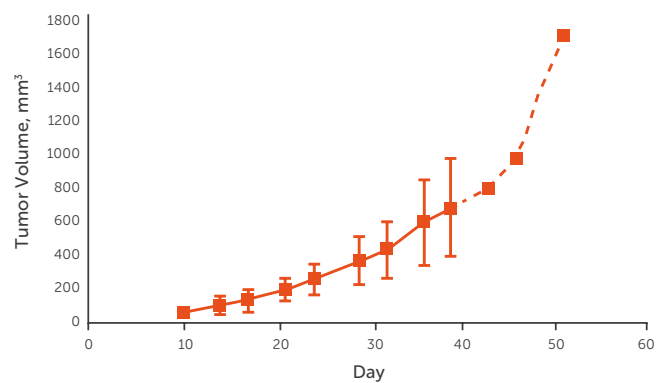
CELL LINE

Human MV-4-11 cells sourced from ATCC® (Number: CRL-9591™) were implanted into a cohort of athymic nude mice. Female mice at approximately 8 weeks of age were implanted with 3.0e6 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 (14% protein). Body weights were taken and tumor measurements were assessed with a caliper twice per week.

Tumor Growth Rate for MV-4-11 Cells Inoculated into Female Athymic Nude Mice



Data shown as mean values; N=5
Tumor growth study services conducted by Labcorp Drug Development