Oncology
Cell Line: KYSE-30

Esophageal Squamous Cell Carcinoma
Xenograft Tumor Model

MODEL	NOMENCLATURE	HAIR	T CELLS	B CELLS	NK CELLS
SHrN®	NOD.Cg-*Prkdc*scid*Hr*hr/NCrHsd	No	Nonfunctional	Nonfunctional	Impaired

Model

The SHrN® is a Hairless NOD.SCID Mouse developed by Harlan. Harlan was renamed Envigo in 2015. The SHrN® is a triple-immunodeficient model with distinct benefits and excellent for tumor xenografts.

Cell Line

Human KYSE-30 cells sourced from DSMZ (Number: ACC 351) were implanted into a cohort of SHrN® 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 KYSE-30 Cells Inoculated into Female SHrN® Mice
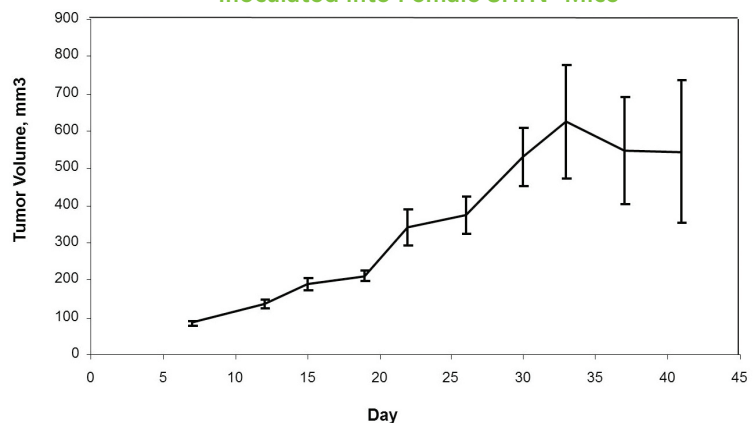
Data shown as mean values; N=5
Tumor growth study services conducted by Covance, Inc.

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