Colorectal Carcinoma
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 HCT-116 cells sourced from ATCC® (Number: CCL-247™) were implanted into cohorts of athymic nude mice. Female mice at approximately 8 weeks of age were implanted with $5.0 \times 10^6$ 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 HCT-116 Cells Inoculated into Female Athymic Nude Mice

Data shown as mean values; $n=8$ per cohort

Tumor growth study services conducted by Covance, Inc.