

CT26-hCD24

Strain Information

Cat. NO.	NM-S24A-TM03
Cell Line	CT26- <i>Cd24</i> ^{em1(hCD24)/Smoc}
Strain State	Validation of tumorigenic capacity completed
Model	The endogenous mouse <i>Cd24</i> gene was replaced by human <i>CD24</i> gene.
Description	*Literature published using this strain should indicate: CT26-hCD24 cell line (Cat. NO. NM-S24A-TM03) was purchased from Shanghai Model Organisms Center, Inc..

Validation Data

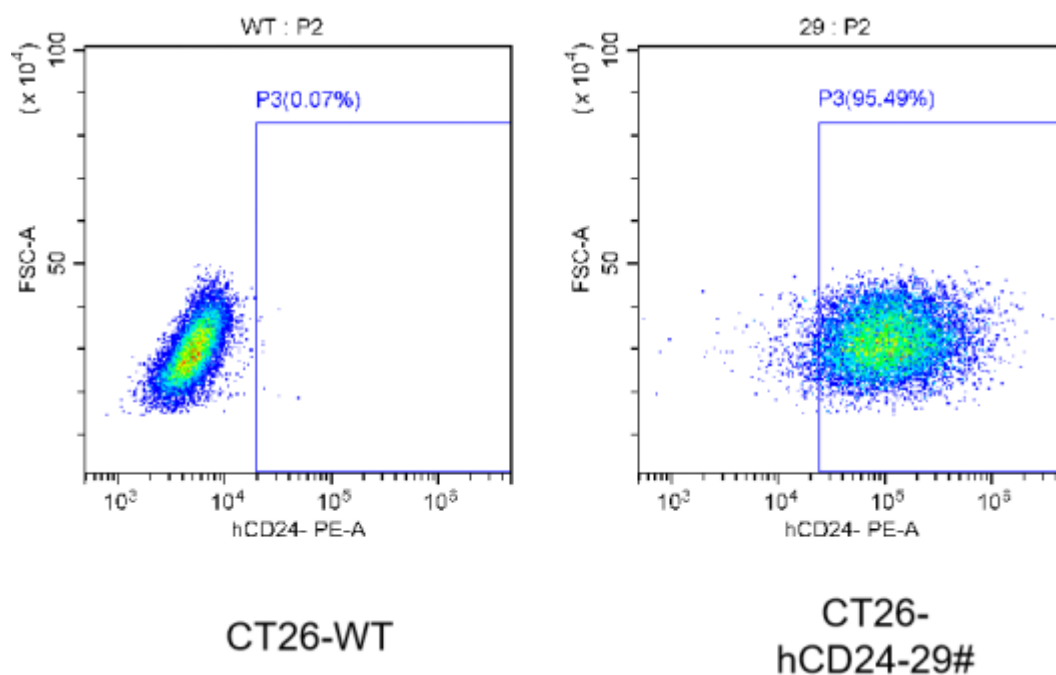


Figure 1. Expression of human CD24 on CT26-hCD24 cells was confirmed by flow cytometry.

CT26-hCD24 cells and wild type CT26 cells were stained with species-specific anti- CD24 antibodies. FACS analysis shows that human CD24 but not mouse CD24 was exclusively detectable on CT26-hCD24 cells.

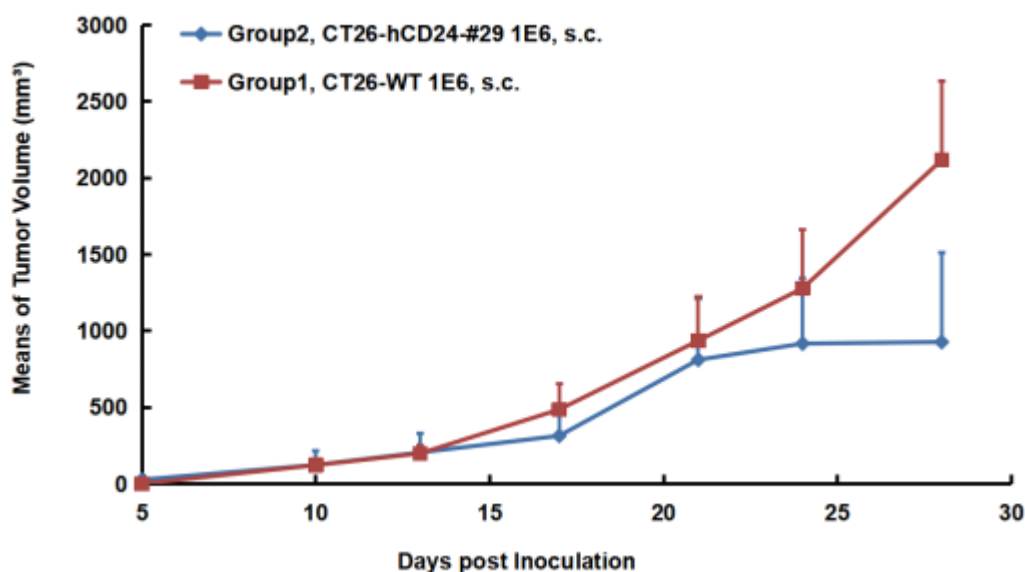


Figure 2. *In vivo* tumor growth curves in humanized CT26-hCD24 syngeneic model.

BALB/c mice were subcutaneously injected 1×10^6 CT26-hCD24 cells compared with wild type CT26 cells as control. Tumor growth was monitored by measuring tumor size from day 5 after subcutaneous implantation.

Data shows that there were no significant differences between CT26-hCD24 cells and wild type CT26 cells in either tumorigenicity or tumor growth.

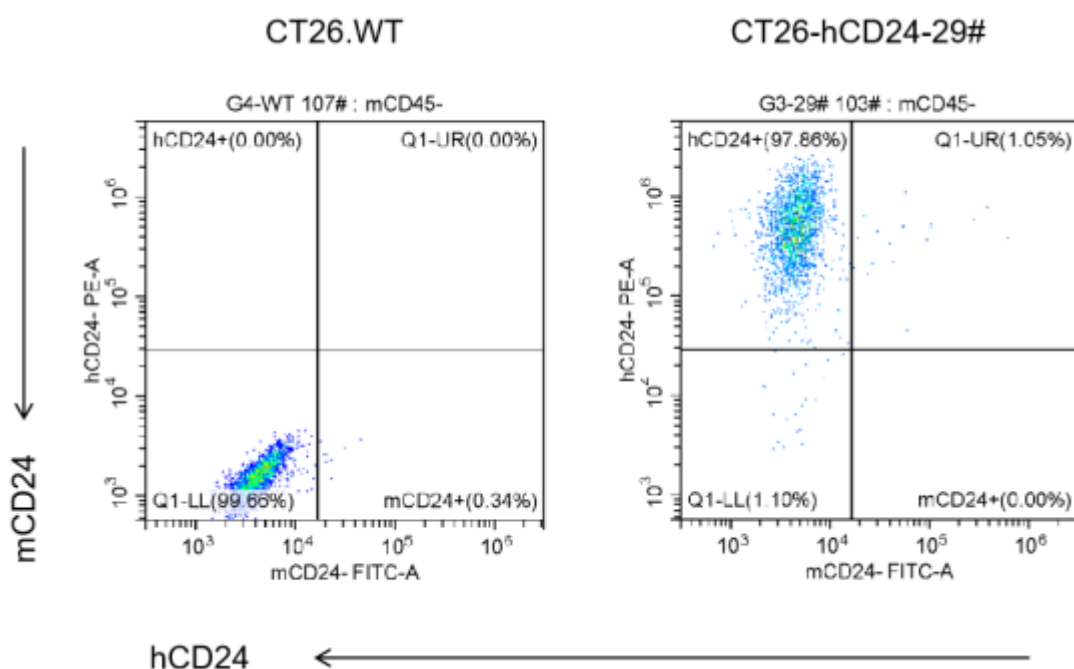


Figure 3. FACS analysis of CD24 expression on tumor cells derived from humanized CT26-hCD24 syngeneic model with species-specific anti-CD24 antibodies.

Data shows that human CD24 knock-in tumor exclusively express human CD24 but not mouse CD24.

