

A20-hCD47

Strain Information

Cat. NO.	NM-S26A-TM01
Cell Line	A20- <i>Cd47</i> ^{em1(hCD47)Smoc}
Strain State	Validation of tumorigenic capacity completed
Model	The endogenous mouse <i>Cd47</i> gene was replaced by human <i>CD47</i> gene.
Description	*Literature published using this strain should indicate: A20-hCD47 cell line (Cat. NO. NM-S26A-TM01) was purchased from Shanghai Model Organisms Center, Inc..

Validation Data

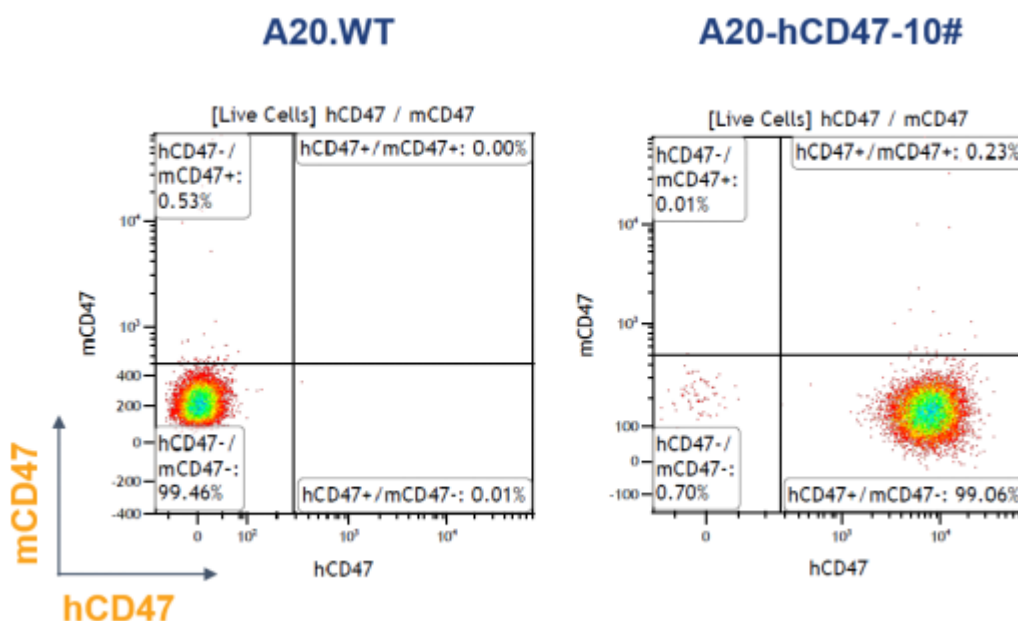


Figure 1. Expression of human CD47 on A20-hCD47 cells was confirmed by flow cytometry.

A20-hCD47 cells and wild type A20 cells were stained with species-specific anti-CD47 antibodies. FACS analysis shows that human CD47 but not mouse CD47 was exclusively detectable on A20-hCD47 cells.

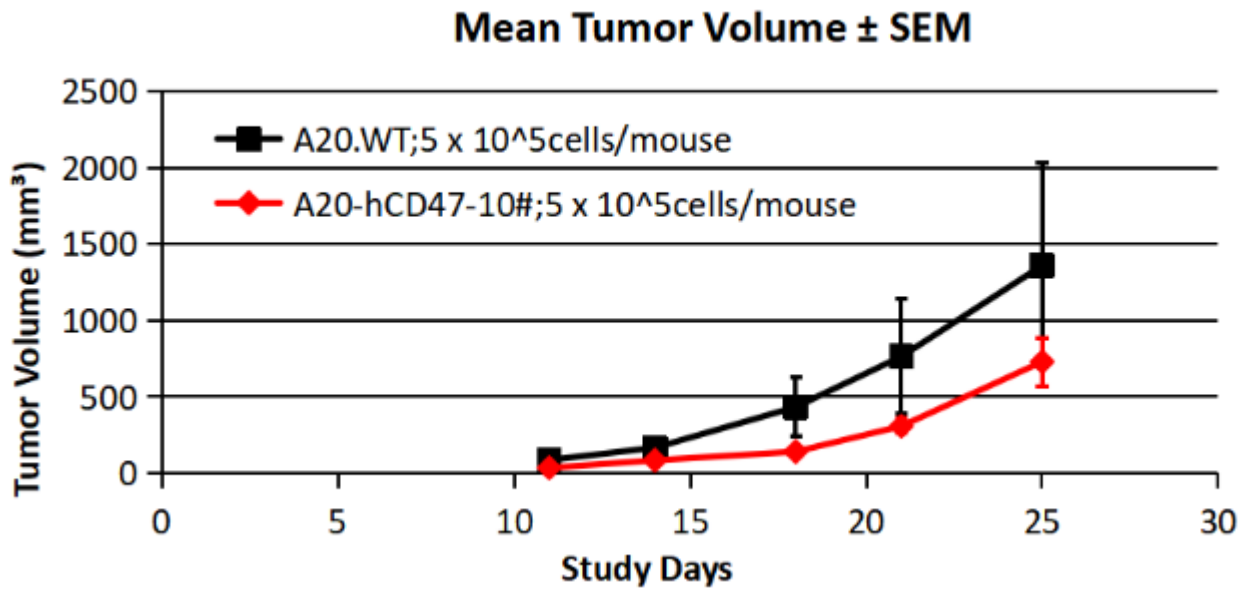


Figure 2. *In vivo* tumor growth curves in humanized A20-hCD47 syngeneic model.

BALB/c mice were subcutaneously injected 5×10^5 A20-hCD47 cells compared with wild type A20 cells as control. Tumor growth was monitored by measuring tumor size from day 11 after subcutaneous implantation.

Data shows that there were no significant differences between A20-hCD47 cells and wild type A20 cells in either tumorigenicity or tumor growth.

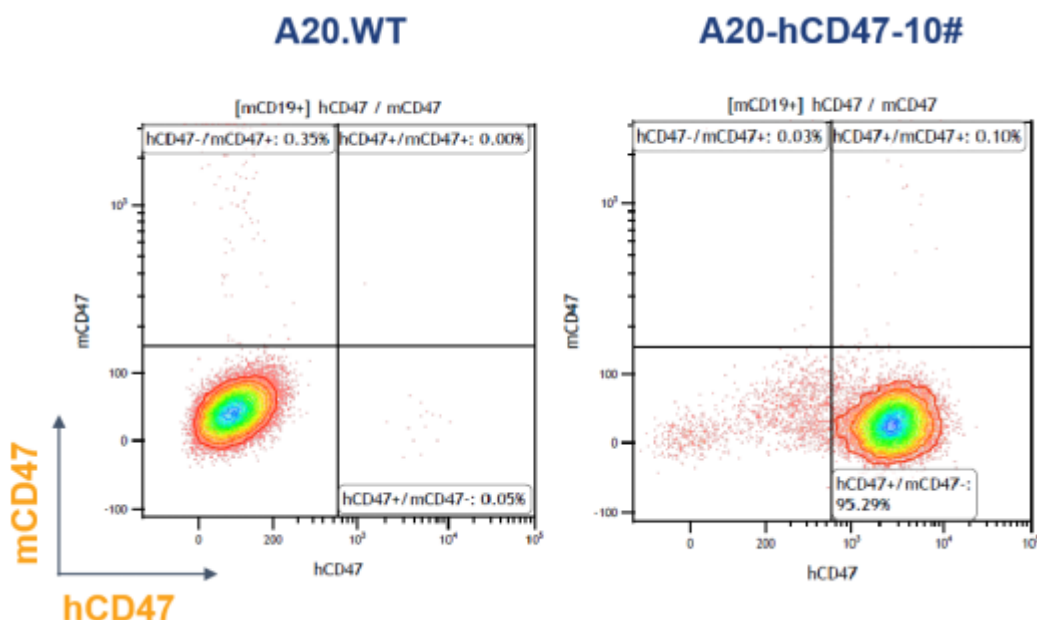


Figure 3. FACS analysis of CD47 expression on tumor cells derived from humanized A20-hCD47 syngeneic model with species-specific anti-CD47 antibodies.

Data shows that human CD47 knock-in tumor exclusively express human CD47 but not mouse CD47.

