

Immortalized Prostate Cell Cultures PF179T-Prostate Fibroblasts h-TERT Immortalized Cells

(No. M7-375)

Principal investigator

Varda Rotter

Faculty of Biology

Department of Molecular Cell Biology

Principal investigator

Ira Kogan

Biology

Department of Molecular Cell Biology

Principal investigator

NAOMI Goldfinger

Biology

Department of Molecular Cell Biology

Overview

Recent studies have established the notion that fibroblasts are prominent modifiers of cancer progression, with a specific subpopulation designated as cancer-associated fibroblasts (CAFs) that play a key role in promoting tumor initiation and progression. This cell line provides an in vitro system to study prostate cancer-associated fibroblast cells and their effect on the neighboring epithelia.

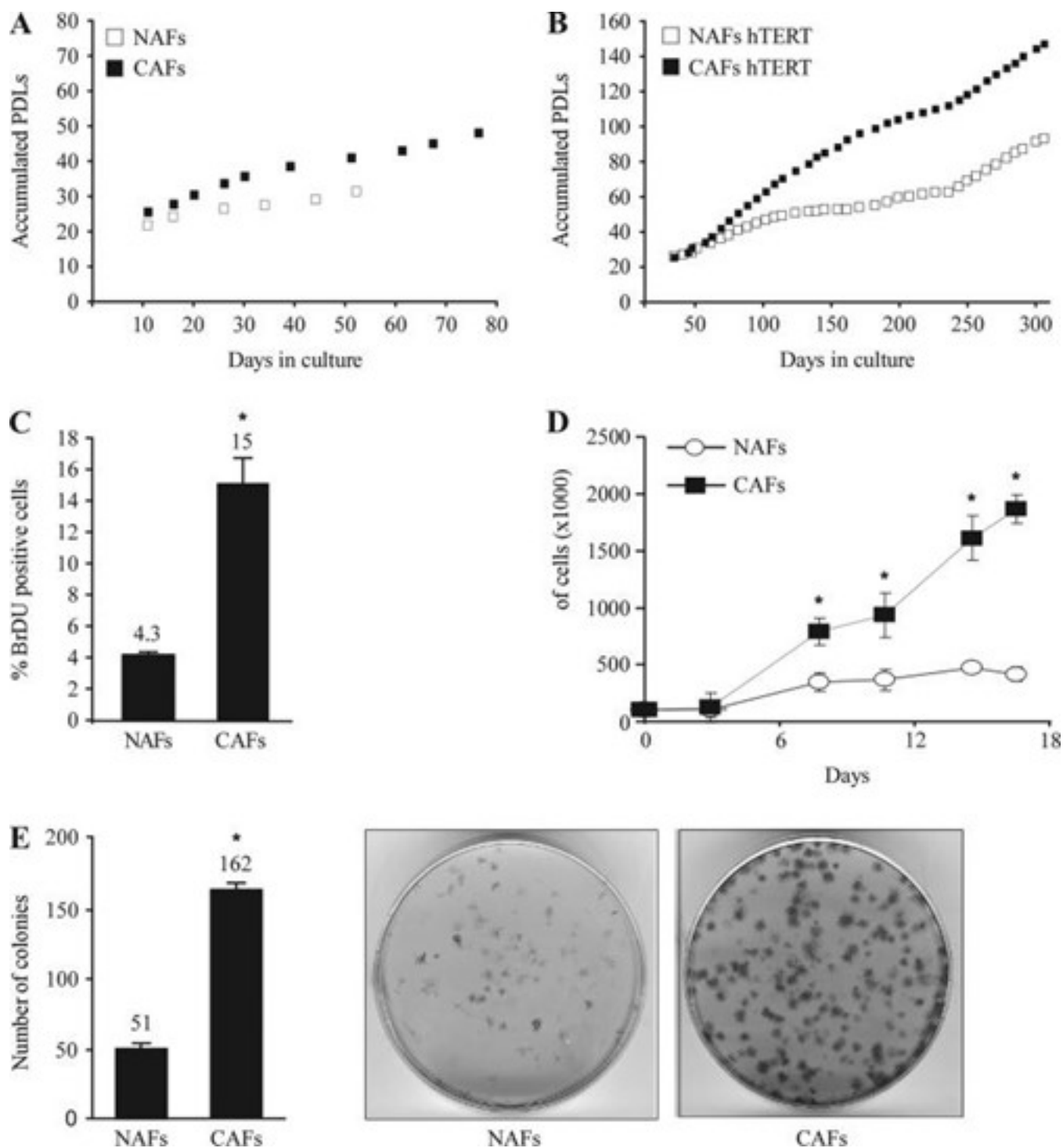
Relevant disease: Prostate cancer

Parental Line: Primary human prostate fibroblasts (PFs) (designated PF179; 179, patient number) were isolated from a prostatectomy specimen, marginal to the prostate tumor.

Host: human

Tissue: Prostate

Production details: Primary human PFs (designated PF179) were isolated from a prostatectomy specimen, marginal to the prostate tumor. Cell cultures were immortalized by infection with a retroviral vector encoding for the human telomerase catalytic subunit, hTERT. Details can be found in the publication.



References

Madar S, Brosh R, Buganim Y, et al. Modulated expression of WFDC1 during carcinogenesis and cellular senescence. *Carcinogenesis*. 2009;30(1):20-27.

[doi:10.1093/carcin/bgn232](https://doi.org/10.1093/carcin/bgn232) [1]

