

R-3327-3.1 cell line

Catalogue number: 156407

Sub-type:

Images:

Contributor

Inventor: John Isaacs

Institute: Johns Hopkins University

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: R-3327-3.1 cell line

Alternate name:

Class:

Conjugate:

Description: AT-3 originates from the spontaneous tumor (R3327) of the prostate identified by W.F. Dunning in a 22 month-old inbred Copenhagen male rat in 1961. R3327 has been maintained by continuous serial passage in rats for many years. Following subcutaneous transplantation in syngeneic male rats, AT-3 forms solid sheets of malignant cells with no indication of glandular function. AT-3.1 tumors grow continuously with a doubling time of 1.5-1.8 days regardless of the androgen status of the host and exhibit a high rate of metastasis to the lung and lymph nodes (>75% of rats inoculated subcutaneously develop distant metastases). The AT-3 subline can be used to study the effects of various types of cancer therapies on prostate cells. Together AT-3 and the related Dunning sublines also provide a valuable model for studying prostate malignancies both in vitro and in vivo.

Purpose:

Parental cell:

Organism:

Tissue:

Model: Cancer Model

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties:
Production details:
Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: Gives rise to malignant cells with a high rate of metastasis in lymph nodes and lung

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:
Application notes:

Handling

Format: Frozen
Concentration:
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer:
Storage conditions:
Shipping conditions: Dry ice

Related tools

Related tools:

References

References: Isaacs et al. 1988. Prostate. 13(2):165-88. PMID: 3174494. ; Isaacs et al. 1986. Prostate. 9(3):261-81. PMID: 3774632.

CancerTools.org