

CMT 167 Cell Line

Catalogue number: 151448

Sub-type: Primary

Images:

Contributor

Inventor: Peter Riddle

Institute: Cancer Research UK, London Research Institute: Lincoln's Inn Fields

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: CMT 167 Cell Line

Alternate name:

Class:

Conjugate:

Description: Highly metastatic murine alveogenic lung carcinoma cell line, derived from cell line CMT64, used to study the origins and causes of metastasis. Background and Research Application CMT167 was created in 1984 at Cancer research UK London Research Institute: Lincoln's Inn Fields as a cell line with increased metastatic capabilities (selected from pooled lung metastases) from the CMT64 cell line. CMT 167 was isolated by subcloning and in vivo screening for high metastatic potential. CMT167 is a cell line of higher metastatic potential in comparison to CMT64. CMT 167 is an epithelial cell line, with closely packed sheets at confluence. It has an adherent culture type.

Purpose:

Parental cell:

Organism: Mouse

Tissue: Lung

Model: Tumour line

Gender: Female

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties: Tumourigenesis

Production details:

Mouse; subclone of CMT 64 alveogenic lung carcinoma (isolated from primary tumour in C57BL/1crf mouse), CMT 167 isolated by subcloning and in vivo screening for high metastatic potential. Production Details Adult female mice (4-6 months) C57B/T were subcutaneously injected in the lower right flank with pooled tumour fragments from different non-necrotic areas of tumour with a Bashford needle. The cells from these tumours are of CMT64 origin. These cells were then...

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target:

Target alternate names:

Target background:

Molecular weight:

IC₅₀:

Applications

Application:

Application notes:

Handling

Format: Frozen

Concentration:

Passage number:

Growth medium: CMT167 cell line can be grown in DMEM with 10% FCS, supplemented with 20mM Hepes

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions:

Shipping conditions: Dry ice

Related tools

Related tools: CMT 64/61 Cell Line

References

References: Mesenchymal stem cell carriers enhance antitumor efficacy of oncolytic adenoviruses in an immunocompetent mouse model. ; Rinch et al. 2017. Oncotarget. :. PMID: 28525366. ; Franks et al. 1976. Cancer Res. 36(3):1049-55. PMID: 1253168. ; Metastasizing tumors from serum-supplemented and serum-free cell lines from a C57BL mouse lung tumor.

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