

Immortalised Human Melanocyte [PIG1] Cell Line

Catalogue number: 154099

Sub-type: Continuous

Images:

Contributor

Inventor: Pranab K Das

Institute: Amsterdam University

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Immortalised Human Melanocyte [PIG1] Cell Line

Alternate name:

Class:

Conjugate:

Description: Immortalized human melanocyte cell line established by introduction of retroviral construct carrying a geneticin resistance gene and containing HPV16E6E7 open reading frames

Purpose:

Parental cell: Human foreskin

Organism: Human

Tissue: Neonatal foreskin

Model: Immortalised Line

Gender: Male

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties: Cells were routinely passaged 1:4 at confluency

Production details: Melanocyte cultures were established from neonatal foreskin using standard methods. Melanocytes from passage 12 were transfected with HPV16 genes E6 and E7 using the retroviral construct LXCN16E6E7. The E6E7 genes are under the control of the MMLV promoter-

enhancer sequence. In addition the vector contained a geneticin resistance gene. The retroviral particles were produced by the packaging cell line PA317. The critical concentration of geneticin for transformed selection was 1mg/ml.

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target:

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application: Melanocyte biology research, in vitro studies on the etiology of pigmentary disorders and melanoma

Application notes:

Handling

Format: Frozen

Concentration:

Passage number:

Growth medium: Ham's F10 medium supplemented with 10ng/ml tetradecanoly phorbol 13-acetate (TPA), 0.1mM 3-isobutyl-methyl-xanthine (IBMX), 1% vol/vol Ultrosor G, 2mM glutamine, 100 IU/ml penicillin and 100 ug/ml streptomycin

Temperature:

Atmosphere:

Volume: 1 ml

Storage medium:

Storage buffer:

Storage conditions: Liquid Nitrogen

Shipping conditions: Dry ice

Related tools

Related tools:

References

References: Klein et al. 2006. Nat Immunol. 7(7):773-82. PMID: 16767092. ; Transcription factor IRF4 controls plasma cell differentiation and class-switch recombination.

CancerTools.org