

DOK Cell Line

Catalogue number: 153251

Sub-type:

Images:

Contributor

Inventor: Sidney Chang

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

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: DOK Cell Line

Alternate name:

Class:

Conjugate:

Description: The degree of dysplasia in the patient was described as mild to moderate. The cells show some stratification in confluent cultures and contain a keratin profile similar to the original dysplasia. Growth is stimulated by hydrocortisone and inhibited by cholera toxin. Expression of p53 is increased and a 12 bp in-frame deletion of the p53 gene (codon 188-191) could be identified. DOK cells are non-tumourigenic in athymic nude mice.

Purpose:

Parental cell:

Organism: Human

Tissue: Tongue

Model: Tumour line

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties: Adherent

Production details: The dysplastic oral keratinocyte cell line DOK was isolated from a piece of dorsal tongue from a 57 year old man. After a squamous-cell carcinoma was removed from the patient, who

had been a heavy smoker, the remaining dysplasia was removed subsequently and used to initiate primary cultures leading to the establishment of DOK.

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes: STR-PCR Data: Amelogenin: X,Y CSF1PO: 12 D13S317: 11,13 D16S539: 9,12 D5S818: 12 D7S820: 11,13 THO1: 6,8 TPOX: 10 vWA: 14,18

Target details

Target:

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:

Application notes: STR-PCR Data: Amelogenin: X,Y CSF1PO: 12 D13S317: 11,13 D16S539: 9,12 D5S818: 12 D7S820: 11,13 THO1: 6,8 TPOX: 10 vWA: 14,18

Handling

Format: Frozen

Concentration:

Passage number:

Growth medium: Subculture Routine: Split sub-confluent cultures (70-80%) 1:10 i.e. seeding at 2-4x10,000 cells/cm² using 0.25% trypsin or trypsin/EDTA; 5% CO₂; 37°C. Culture Medium: DMEM + 2mM Glutamine + 5µg/ml Hydrocortisone + 10% Foetal Bovine Serum (FBS).

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions:

Shipping conditions: Dry ice

Related tools

Related tools:

References

References: Marshall et al. 1977. J Natl Cancer Inst. 58(6):1743-51. PMID: 864752.

CancerTools.org