

Human Melanocyte Cell Line

Catalogue number: 154110

Sub-type: Primary

Images:

Contributor

Inventor: Pranab K Das

Institute:

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Human Melanocyte Cell Line

Alternate name:

Class:

Conjugate:

Description: Melanocytes are the cell of origin for a number of conditions including melanoma an aggressive type of skin cancer and vitiligo a long-term condition characterised by patches of the skin losing their pigment. Melanoma is the most dangerous type of skin cancer. Globally, in 2012, it newly occurred in 232,000 people. In 2015 there were 3.1 million with active disease which resulted in 59,800 deaths. Australia and New Zealand have the highest rates of melanoma in the world. While Vitiligo affects 1% of the worlds population with no known cause. Primary melanocytes can be used as a tool for research into different melanocytic lineages

Purpose:

Parental cell: Human foreskin

Organism: Human

Tissue: Skin

Model: Primary line

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Melanocyte cultures were established from neonatal foreskin using standard methods.

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: 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 100g/ml streptomycin

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions: Liquid Nitrogen

Shipping conditions: Dry ice

Related tools

Related tools:

References

References: Wankowicz-Kalinska et al. 2003. Lab Invest. 83(5):683-95. PMID: 12746478.

CancerTools.org