Melan-In3 cell line

Catalogue number: 162016
Sub-type:
Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Melan-In3 cell line

Alternate name:

Class:
Conjugate:
Description: The melan-In1, -In2, In-3 and In-4 lines are immortal melanocyte cell lines derived from the skin of neonatal Mlphln/Mlphln null Ink4aArf -/- C57BL6/J mice. The leaden gene product (melanophilin, Mlph) is a Rab27a effector protein involved in melanosome transport and as such, these leaden null melanocytes display perinuclear clustering of pigmented melanosomes. These murine melanocytes are a model of the human disorder Griscelli syndrome in which patients present with hypopigmented skin and hair and immunodeficiencies. These melanocytes are a useful tool for studies of pigmentation genetics and transport of photoprotective eumelanin.
Purpose:
Parental cell:
Organism: Mouse
Tissue: Skin
Model: Immortalised non-cancerous cell lines
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:

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application: Melanocyte cell biology
Application notes:

Handling

Format:
Concentration:
Passage number:
Growth medium: RPMI + FBS (10%) + TPA (200 nM) + cholera toxin (CT) (200 pM)
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer:
Storage conditions: liquid N2
Shipping conditions:

Related tools

Related tools:

References

References: