

Halo nevus Melanocyte Cell Line

Catalogue number: 154105

Sub-type:

Images:

Contributor

Inventor: Pranab K Das

Institute:

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Halo nevus Melanocyte Cell Line

Alternate name: Sutton nevi, Leukoderma acquisitum centrifugum, Perinevoid vitiligo

Class:

Conjugate:

Description: Halo nevus is a mole that is surrounded by a depigmented ring or 'halo'. The formation of a halo surrounding a nevi is believed to occur when CD8+ T lymphocytes destroy the pigment producing melanocytes cells however the cause for the attack is unknown. Halo nevi are estimated to be present in approximately 1% of the general population, and are found to be more prevalent in people with vitiligo, malignant melanoma, or Turner syndrome. Primary melanocytes isolated from a halo nevus can be used as a tool for research.

Purpose:

Parental cell: Halo nevus

Organism: Human

Tissue:

Model: Primary line

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details: Autologous skin was taken from halo nevus using a dermatome. Epidermal cell

suspension was isolated from the skin sample and seeded in cell culture medium consisting of HAMs F10 supplemented with 10⁻⁸g/ml 12-O-tetradecanoylphorbol 13-acetate (PMA), 0.1nM isobutyl-methyl-1-xanthine (IBMX), 1% Ultrosor G, 2mM glutamine, 100 IU/ml penicillin and 100⁻⁸g/ml streptomycin. Overgrowth of fibroblasts and keratinocytes was prevented by addition of geneticine 1/100 (G418).

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: HAMs F10 supplemented with 10⁻⁸g/ml 12-O-tetradecanoylphorbol 13-acetate (PMA), 0.1nM isobutyl-methyl-1-xanthine (IBMX), 1% Ultrosor G, 2mM glutamine, 100 IU/ml penicillin and 100⁻⁸g/ml streptomycin. Overgrowth of fibroblasts and keratinocytes was prevented by addition of geneticine 1/100 (G418)

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions:

Shipping conditions: Dry ice

Related tools

Related tools:

References

References:

CancerTools.org