

Piebaldism Melanocyte Cell Line

Catalogue number: 154104

Sub-type:

Images:

Contributor

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Institute:

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Piebaldism Melanocyte Cell Line

Alternate name:

Class:

Conjugate:

Description: Piebaldism is a rare autosomal dominant disorder of melanocyte development. Common characteristics include a congenital white forelock, scattered normal pigmented and hypopigmented macules and a triangular shaped depigmented patch on the forehead. In some cases, piebaldism occurs together with severe developmental problems, as in Waardenburg syndrome and Hirschsprung's disease. Primary melanocytes isolated from a patient with piebaldism can be used as a tool for research

Purpose:

Parental cell: Lesional skin of piebaldism patient

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 patients with piebaldism 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

CancerTools.org

Format: Frozen

Concentration:

Passage number:

Growth medium: HAMs F10 supplemented with 10 $\mu\text{g/ml}$ 12-O-tetradecanoylphorbol 13-acetate (PMA), 0.1nM isobutyl-methyl-1-xanthine (IBMX), 1% Ultrosor G, 2mM glutamine, 100 IU/ml penicillin and 100 $\mu\text{g/ml}$ 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