

K38 Keratinocyte Cell Line

Catalogue number: 151682

Sub-type:

Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: K38 Keratinocyte Cell Line

Alternate name:

Class:

Conjugate:

Description: The K38 Keratinocyte Cell Line has been established from the skin of neonatal WT mice. The prospective commercial application of the line is in the generation of in vitro epidermal 'skin equivalents' to be used as screening tools to look at the activity of NCE's and/or NBE's of dermatological interest, and/or to screen for such NCE and/or NBE in high throughput systems. It may also be of use to non-pharmaceutical healthcare and/or cosmetic companies involved in the personal vitality and/or beauty product development segments Murine keratinocyte stem cell line

Purpose:

Parental cell:

Organism: Mouse

Tissue:

Model: Primary line

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties: Adherent

Production details: Keratinocytes were isolated from neonatal wild-type BALB/c mouse skin. The cell

line was established by growing cells for the first 8 passages in co-culture with 3T3-J2 fibroblast feeder cells. From passage 9 onwards cells were grown without feeder cells.

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: The cell line grown is low calcium medium, Ham's F12/DMEM with 10% FCS and several supplements at 32°C, 5% CO₂. The supplements are: 0.18 mM adenine, 0.5 µg/ml hydrocortisone, 5 µg/ml insulin, 10⁻¹⁰ M cholera toxin, 10 ng/ml EGF, 2 mM glutamine, 1 mM

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions:

Shipping conditions: Dry ice

Related tools

Related tools:

References

References: Bonjardim et al. 1998. Braz J Med Biol Res. 31(11):1389-95. PMID: 9921273. ; JAK/STAT-deficient cell lines. ; Kohlhuber et al. 1997. Mol Cell Biol. 17(2):695-706. PMID: 9001223. ; A JAK1/JAK2 chimera can sustain alpha and gamma interferon responses. ; Watling et al. 1993. Nature. 366(6451):166-70. PMID: 7901766. ; Complementation by the protein tyrosine kinase JAK2 of a mutant cell line defective in the interferon-gamma signal transduction pathway.

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