

Bovine Alveolar Type II (BATII) cell line

Catalogue number: 157736

Sub-type:

Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Bovine Alveolar Type II (BATII) cell line

Alternate name:

Class:

Conjugate:

Description: Differentiates into Alveolar Type I (ATI)-like cells when cultured at air-liquid interface, generating a mixed population of Alveolar Type II (ATII) and ATI in a pseudostratified epithelial cell layer. Used in co-culture with bovine pulmonary arterial endothelial cells as a model of the bovine alveolus.

Purpose:

Parental cell:

Organism:

Tissue: Alveolus

Model: Immortalised Line

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties: Cobblestone. Fixed (2D), 3D (matrigel) or air-liquid interface (ALI)

Production details: Generated by the lentiviral transduction of SV40 and hTERT into primary bovine alveolar type II epithelial cells at passage 1.

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: Small airway growth medium (Lonza) or Small airway epithelial cell medium (Promocell). 95 % air/5 % CO₂, 37°C humidified incubator. Subculture routine: 0.25 % trypsin/1 mM EDTA 5 minutes at 37°C. Neutralise with medium/10 % FBS. Spin, count and subculture 1:10 dilution to minimum of 3 x 10,000/cm². Yield at subculture: ~5 x 10,000/cm².

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions:

Shipping conditions: Dry ice

Related tools

Related tools: Bovine Type II Alveolar Epithelial (B2AE) cell line

References

References:

CancerTools.org