

E3 Cell Line

Catalogue number: 152597

Sub-type: Continuous

Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: E3 Cell Line

Alternate name:

Class:

Conjugate:

Description: The E3 cell line was developed to examine the possibility of using the MUC1 gene and its products in active immunization against breast and other carcinomas. The human MUC1 gene codes for a type I membrane glycoprotein that is normally expressed on the apical surface of most glandular epithelial cells, but which is upregulated and under- or differently glycosylated in carcinomas; these differences in glycosylation lead to the exposure of novel epitopes which are not found on the normally processed mucin and can therefore be used as targets.

Purpose:

Parental cell: 410.4

Organism: Mouse

Tissue: Breast

Model: Immortalised Line

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details: The E3 cell line was developed from the 410.4 murine mammary cell line by

transfection of the hygromycin resistance gene with the MUC1 gene.

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: hMUC1, hygromycin resistance gene

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:

Application notes:

Handling

Format: Frozen

Concentration:

Passage number:

Growth medium: DMEM, 10S , 400????g/ml hygromycin

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions:

Shipping conditions: Dry ice

Related tools

Related tools:

References

References: Yamashita et al. 2009. Bioorg Med Chem. 17(17):6286-91. PMID: 19674905. ; Synthesis and evaluation of bioactive naphthoquinones from the Brazilian medicinal plant, *Tabebuia avellanedae*.

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