T47D-E2J Cell Line

Catalogue number: 153169
Sub-type: Continuous
Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: T47D-E2J Cell Line

Alternate name: C2GnTC2GnT-L

Class:
Conjugate:
Description: The parental T47D cell line was established from the pleural effusion of a ductal carcinoma of the breast. The tumour cell line, T47D-E2J, was created as a breast cancer model with an O-linked glycosylation profile similar to normal mammary epithelial cells. T47D-E2J cells overexpress the enzyme C2GnT1, a beta-1,3galactosyl-O-glycosyl-glycoprotein.C2GnT1 is the dominant enzyme expressed in normal breast tissue known to convert core 1 glycoproteins to core 2 glycoproteins, by the addition of N-acetylglucosamine to N-acetylgalactosamine. Expression of the C2GnT1 enzyme has been found to be decreased or absent in most breast cancer cell lines despite still expressing mRNAs coding for this enzyme. Together with wild-type T47D and T47D-STn these cell lines represent a panel of isogenic cells with different O-linked glycosylation patterns.
Purpose:
Parental cell: T47D
Organism: Human
Tissue: Breast
Model:
Gender:
Isotype:
Reactivity:
Selectivity:
Host:
Immunogen:
Immunogen UNIPROT ID:
Sequence:

Growth properties:
Production details:
Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: Glycosyltransferase - C2GnT1

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:
Application notes:

Handling

Format: Frozen
Concentration:
Passage number:
Growth medium: DMEM 10% FCS and 500????g/ml G418
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer:
Storage conditions:
Shipping conditions: Dry ice

Related tools

Related tools: T47D-STn Cell Line

References

References: Price et al. 1983. Scand J Immunol. 18(5):411-20. PMID: 6359372. ; Identification of an anti-human osteogenic sarcoma monoclonal-antibody-defined antigen on mitogen-stimulated peripheral blood mononuclear cells.