

TAM1 cell line

Catalogue number: 156373

Sub-type: Continuous

Images:

Contributor

Inventor: Debra Tonetti

Institute: University of Illinois Chicago

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: TAM1 cell line

Alternate name: MCF7

Class:

Conjugate:

Description: Approximately 70% of breast cancer patients have estrogen receptor positive (ER+) tumors. The selective estrogen receptor modulator (SERM), tamoxifen, and aromatase inhibitors (AIs) represent first-line treatment for ER+ patients however, up to 50% of patients either do not respond or acquire resistance within 5 years of treatment. The MCF-7/TAM1 cell line shows an endogenous resistance to tamoxifen. The cells also exhibit an increased expression of Protein Kinase C alpha (PKCa), which is an important player in tamoxifen resistant breast cancer.

Purpose:

Parental cell: MCF-7

Organism: Human

Tissue: Breast

Model: Cancer Model

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes: Engineered to over-express TAM1, which in turn causes over expression of PKCa.

Target details

Target: TAM1

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:

Application notes: Engineered to over-express TAM1, which in turn causes over expression of PKCα .

Handling

Format: Frozen

Concentration:

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions:

Shipping conditions: Dry ice

Related tools

Related tools:

References

References: Xiong et al. 2017. J Med Chem. 60(4):1325-1342. PMID: 28117994.

CancerTools.org