MEF PKCe KO KI Cell Line

Catalogue number: 151663
Sub-type:
Images:

Contributor

Inventor: Peter Parker
Institute: Cancer Research UK, London Research Institute: Lincoln's Inn Fields
Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: MEF PKCe KO KI Cell Line

Alternate name:

Class:
Conjugate:
Description: MEF PKCe KO KI Cell Line is a clonal MEF line derived from PKCepsilon knock-out embryos subsequently transfected to re-express PKCe through stable transfection with pcDNA3 CMV/IE hygo+ PKCe. Matched isogenic cell line which is null for PKCe is also available. Useful for studying the role of PKCe in various biological processes
Purpose:
Parental cell:
Organism: Mouse
Tissue: Embryo
Model: Transgenic
Gender:
Isotype:
Reactivity:
Selectivity:
Host:
Immunogen:
Immunogen UNIPROT ID:
Sequence:
Growth properties: Normal phenotype
Production details: MEFs were derived from PKCe knockout embryos. Polyclonal PKCeKO cells were transfected with pcDNA3 CMV/IE hygro+ PKCe vector using calcium phosphate. Clonal stable cell lines were selected using limiting dilution. The vector was contructed by replacing the promoter

region in pCMV hygro+ with a 2.1kb CMV/IE promoter derived from p63d. Mouse cDNA encoding full-length PKCe (3.3kb fragment) was ligated to the modified pcDNA3 CMV/IE hygro+ vector.
Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: PKC epsilon

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:
Application notes:

Handling

Format: Frozen
Concentration:
Passage number:
Growth medium: Cells were selected, and are routinely cultured in DMEM + 10% FCS and 100ug/ml hygromycin at 30degC in a 10% CO2 atmosphere
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer:
Storage conditions:
Shipping conditions: Dry ice

Related tools

Related tools:

References

References: Castrillo et al. 2001. J Exp Med. 194(9):1231-42. PMID: 11696589. ; Protein kinase Cepsilon is required for macrophage activation and defense against bacterial infection.