

# MEF PKCe KO Cell Line

**Catalogue number:** 151665

**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 Cell Line

**Alternate name:**

**Class:**

**Conjugate:**

**Description:** The MEF PKCe KO Cell Line is useful for studying the role of PKCe in various biological processes. Clonal MEFs have been derived from PKCepsilon knock-out embryos and subsequently stably transfected with empty pcDNA3 CMV/IE hygo+. Matched isogenic cell line with PKCe re-expressed is also available. Cells have reduced migratory capacity compared to their PKCe-expressing counterparts. Cells were used to demonstrate a role for PKCe in controlling the traffic of beta1 integrins in motile cells

**Purpose:**

**Parental cell:**

**Organism:** Mouse

**Tissue:** Embryo

**Model:** Knock-Out

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:** MEFs were derived from PKCe knockout embryos. Polyclonal PKCeKO cells

were transfected with pcDNA3 CMV/IE hygro+ vector using calcium phosphate. Clonal stable cell lines were selected using limiting dilution.

**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:** Mason et al. 1987. Blood. 69(3):836-40. PMID: 3101766. ; Value of monoclonal anti-CD22 (p135) antibodies for the detection of normal and neoplastic B lymphoid cells.

CancerTools.org