

# MEF RAF1 KO Cell Line

**Catalogue number:** 151576

**Sub-type:**

**Images:**

## Contributor

**Inventor:** Catrin Pritchard

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**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** MEF RAF1 KO Cell Line

**Alternate name:**

**Class:**

**Conjugate:**

**Description:** The MEF RAF1 KO Cell Line allows in vivo study of Raf-1 knockout and Ras signalling and can be used to carry out drug screening toxicology studies. MEF are produced from the Raf-1+/- knockout mouse.

**Purpose:**

**Parental cell:**

**Organism:** Mouse

**Tissue:** Embryo

**Model:** Knock-Out

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:** Embryos were dissected and cut, washed several times with cold PBS and then incubated at 4°C for 2 hours in 0.25% trypsin. Cells were incubated as per the growth conditions. Primary cells were immortalised and resulting cells grown out by continuous culture.

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** RAF1

**Target alternate names:**

**Target background:**

**Molecular weight:**

**Ic50:**

## Applications

**Application:**

**Application notes:** See the Raf-1 knockout mouse in related products.

## Handling

**Format:** Frozen

**Concentration:**

**Passage number:**

**Growth medium:** DMEM, 10% FCS, 100U/mol penicillin/streptomycin

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:** Vapor phase of liquid nitrogen. Storage at -70° C will result in loss of viability.

**Shipping conditions:** Dry ice

## Related tools

**Related tools:** Raf-1 KO Mouse

## References

**References:** Yoo et al. 2016. Proc Natl Acad Sci U S A. .: PMID: 27872288. ; MIF allele-dependent

regulation of the MIF coreceptor CD44 and role in rheumatoid arthritis. ; Liu et al. 2014. Asian Pac J Cancer Prev. 15(12):5049-53. PMID: 24998585. ; Fox et al. 1994. Cancer Res. 54(16):4539-46. PMID: 7519124. ; Normal human tissues, in addition to some tumors, express multiple different CD44 isoforms.

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