

# SIRMu-1 Cell Line

**Catalogue number:** 154858

**Sub-type:**

**Images:**

## Contributor

**Inventor:** Daniel Peet

**Institute:** The University of Adelaide

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** SIRMu-1 Cell Line

**Alternate name:**

**Class:**

**Conjugate:**

**Description:** Both the cellular morphology and overall transcriptome of the SIRMu-1 cells are more similar to primary rat MCs than the commonly used rMC-1 cells

**Purpose:**

**Parental cell:**

**Organism:** Rat

**Tissue:** Eye

**Model:** Immortalised Line

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:** large and flat with a "ghost-like" appearance.

**Production details:** A monoclonal line derived from two sequential rounds of single cell cloning by serial dilution. No Virus or any pathogen. Not GMO. The cells have not been transformed with any agents. The cells can be passaged 1:3 to 1:5 every 2-4 days. Estimated population doubling times with cultured in 10% and 20% FBS are 36 and 30 hours respectively. The cells can take time to recover after thawing from a frozen stock. After thawing, it is quite normal to have a lot of dead and floating

cells. For a vial...

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:**

**Target alternate names:**

**Target background:**

**Molecular weight:**

**Ic50:**

## Applications

**Application:**

**Application notes:**

## Handling

**Format:** Frozen

**Concentration:**

**Passage number:**

**Growth medium:** MEM\*, 20% FBS, 25mM glucose (final concentration), 2mM L-glutamine. \*Minimum Essential Medium (+Earle's Salts, -L glutamine, Gibco #11090). Note: The cells also grow fine in 10% FBS and/or 5mM glucose.

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:**

**Shipping conditions:** Dry ice

## Related tools

**Related tools:**

## References

**References:** Kok et al. 2014. Clin Transl Immunology. 3(9):e24. PMID: 25505973.

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