

# RMA.Trh4 cell line

**Catalogue number:** 157676

**Sub-type:** Continuous

**Images:**

## Contributor

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**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** RMA.Trh4 cell line

**Alternate name:**

**Class:**

**Conjugate:**

**Description:** This cell line provides a model to help to understand T-cell recognition through Trh4 expression. ER-resident ceramide synthase Trh4 is a prototypic example of a neo-antigen selectively presented by cells through various pathways. RMA cells have their TAP chain intact and the Trh4 peptide is only presented on cells with impaired TAP function through the classical MHC I pathway. This cell line over-expresses endogenous Trh4 and provides a key tool to help understand presentation of Trh4 to antigen recognition through other pathways.

**Purpose:**

**Parental cell:** RMA

**Organism:** Mouse

**Tissue:** Lymphatic Tissue

**Model:** Tumour line

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:** RMA-S.Trh4 cells

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** Trh4

**Target alternate names:**

**Target background:**

**Molecular weight:**

**Ic50:**

## Applications

**Application:**

**Application notes:**

## Handling

**Format:** Frozen

**Concentration:**

**Passage number:**

**Growth medium:** Retroviral transduction of the mouse Trh4 gene in an IRES-GFP construct

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:** Liquid Nitrogen

**Shipping conditions:** Dry ice

## Related tools

**Related tools:**

## References

**References:** Oliveira et al. 2011. Eur J Immunol. 41(11):3114-24. PMID: 21898382.

CancerTools.org