

# MUC1 Mouse

**Catalogue number:** 151555

**Sub-type:** Mouse

**Images:**

## Contributor

**Inventor:** Joyce Taylor-Papadimitriou ; Joy Burchell

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**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** MUC1 Mouse

**Alternate name:** ADMCKD, ADMCKD1, Breast carcinoma associated antigen DF3, Breast carcinoma-associated antigen DF3, CA 15-3, CA15 3, CA15 3 antigen, CA15.3, Cancer antigen 15-3, Carcinoma associated mucin, Carcinoma-associated mucin, CD 227, CD227

**Class:**

**Conjugate:**

**Description:** Model for preclinical study of anti-MUC1 vaccines/immunotherapies;

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:** A linear genomic fragment, containing the MUC1 gene and promoter, was injected into fertilized embryos (various backgrounds), and implanted into pseudopregnant mice. Transgenic mice were identified by Southern blot, and maintained as homozygotes.

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:** Mice demonstrate tissue-specific PEM expression pattern and glycosylation analogous to that observed in human tissues.

## Target details

**Target:** Human MUC1 (mucin-like protein 1) / PEM (polymorphic epithelial mucin)

**Target alternate names:**

**Target background:**

**Molecular weight:**

**Ic50:**

## Applications

**Application:**

**Application notes:**

## Handling

**Format:**

**Concentration:**

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:**

**Shipping conditions:** Embryo/Spermatozoa- Dry Ice

## Related tools

**Related tools:**

## References

**References:** Costello et al. 2004. Nat Immunol. 5(3):289-98. PMID: 14770179. ; Ternary complex factor SAP-1 is required for Erk-mediated thymocyte positive selection.

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