

Product sheet

**4T1-Luc | 305663**

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**Description** 4T1-Luc is a mouse model for breast cancer research. It is a BALB/c mouse strain that carries a luciferase gene under the control of the mammary-specific promoter of the mammary tumor virus (MTV). This model is used to study the progression of breast cancer and the effects of various treatments. The luciferase gene is expressed in the mammary gland, leading to the formation of mammary tumors. The presence of the luciferase gene allows for the detection of tumor growth and metastasis using bioluminescence imaging (BLI).

**Organism** Mouse

**Tissue** Mammary gland

**Disease** Mammary tumor

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**Breed/Subspecies** BALB/cfC3H

**Gender** Male

**Morphology** White

**Growth properties** Spontaneous

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**Citation** 4T1-Luc (Cytion 305663)

**Biosafety level** 1

**NCBI\_TaxID** 10090

**CellosaurusAccession** CVCL\_J239

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**Antigen expression** None



