

MB49-Luc | 305681

MB49-Luc

Description	MB49-Luc is a luciferase reporter construct that expresses the luciferase gene under the control of the MB49 promoter. It is used for monitoring gene expression in MB49 cells. The construct is a 3.0 kb plasmid vector containing the MB49 promoter, the luciferase gene, and a polyA signal. It is delivered to cells by electroporation (BLI). MB49-Luc is a derivative of the MB49 cell line, which is a murine melanoma cell line. It is characterized by its high tumorigenicity and its ability to metastasize. MB49-Luc is used for monitoring gene expression in MB49 cells and for studying the role of the MB49 promoter in gene regulation.
Organism	Mouse
Tissue	Epithelial cells
Disease	Melanoma
Synonyms	MB49-Luciferase, MB49 LucSH+

Characteristics

Age	Adult
Gender	Male
Ethnicity	Mouse (C57BL/6)
Morphology	Epithelial
Growth properties	Highly tumorigenic

References and Safety

Citation	MB49-Luc (Cytion 305681)
Biosafety level	1
NCBI_TaxID	10090
CellosaurusAccession	CVCL_E8D4

Cytion GmbH | Nikola-Tesla-Str. 3 | 69124 Heidelberg | Germany
 +49(0)6221 405780 | www.cytion.com | info@cytion.com

MB49-Luc | 305681

**Thawing and
Culturing Cells**

1. **Thawing:** Thaw the cells quickly in a water bath at 37°C. Transfer the cells to a pre-warmed medium.
2. **Seeding:** Seed the cells into a well of a 96-well plate. Add 100 µl of medium per well. Incubate at 37°C for 24 hours.
3. **Medium Change:** Remove the medium and replace it with fresh medium. Incubate at 37°C for 24 hours.
4. **Medium Change:** Remove the medium and replace it with fresh medium. Incubate at 37°C for 24 hours.
5. **Medium Change:** Remove the medium and replace it with fresh medium. Incubate at 37°C for 24 hours.
6. **Medium Change:** Remove the medium and replace it with fresh medium. Incubate at 37°C for 24 hours.
7. **Medium Change:** Remove the medium and replace it with fresh medium. Incubate at 37°C for 24 hours.

**Incubation
Atmosphere**

37°C, 5% CO₂, humidified

**Shipping
Conditions**

Cells are shipped in a dry ice container. The container should be kept at -78°C.

**Storage
Conditions**

Cells should be stored at -150°C for up to 196 days.

MB49-Luc | 305681