

Kmt2d Knockout cell line(4T1)

Catalog Number: KO01137

Product Information

Product Name	Kmt2d Knockout cell line(4T1)
specification	1*10 ⁶
Storage and transportation	Dry ice preservation/T25 live cell transportation.
Cell morphology	Epithelioid, adherent cell
Passage ratio	1:3~1:4
species	Mouse
Gene	Kmt2d
Gene ID	381022
Build method	Electric rotation method / virus method
Mycoplasma testing	Negative
Cultivation system	88%RPMI-1640+10% FBS+1%Glutamax+1%Sodium Pyruvate
Parental Cell Line	4T1
Quality Control	Genotype: Kmt2d Knockout cell line(4T1) >95% viability before freezing. All cells were tested and found to be free of bacterial, viruses,mycoplasma and other toxins.

Gene Information

Gene Official Full Name	lysine (K)-specific methyltransferase 2Dprovided by MGI
Also known as	ALR; MII2; MII4; bapa; KMT2B; C430014K11Rik
Gene Description	Enables DNA-binding transcription activator activity, RNA polymerase II-specific and histone H3K4 methyltransferase activity. Involved in heterochromatin formation and oocyte growth. Acts upstream of or within in utero embryonic development and regulation of gene expression. Predicted to be located in nucleoplasm. Predicted to be part of MLL3/4 complex. Is expressed in several structures, including central nervous system; cranium; heart; integumental system; and sensory organ. Used to study Kabuki syndrome. Human ortholog(s) of this gene implicated in Kabuki syndrome; carcinoma (multiple); and intracranial aneurysm. Orthologous to human KMT2D (lysine methyltransferase 2D). [provided by Alliance of Genome Resources, Apr 2025]
Expression	Ubiquitous expression in thymus adult (RPKM 25.1), spleen adult (RPKM 21.8) and 27 other tissues See more

