

Dot1l-Flox

Nomenclature	C57BL/6Smoc- <i>Dot1l</i> ^{em1(flox)Smoc}
Cat. NO.	TBD
Strain State	Developing

Gene Summary

Gene Symbol Dot1l	Synonyms	Dot1, KMT4, mDot1, AW907654, A630076O07
	NCBI ID	208266
	MGI ID	2143886
	Ensembl ID	ENSMUSG00000061589
	Human Ortholog	DOT1L

Model Description

These mice carry loxP sites flanking target exons of Dot1l gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of Dot1l gene.

*Literature published using this strain should indicate: Dot1l-Flox mice (Cat. NO. TBD) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Dilated Cardiomyopathy 1A	Phenotype(s)	MGI:5424158 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Myhca-cre mice.
	Reference(s)	Nguyen AT, Xiao B, Neppl RL, Kallin EM, Li J, Chen T, Wang DZ, Xiao X, Zhang Y, DOT1L regulates dystrophin expression and is critical for cardiac function. Genes Dev. 2011 Feb 1;25(3):263-74

Validation Data

No data

