

Casp8-Flox

Nomenclature	C57BL/6Smoc- <i>Casp8</i> ^{em1(flox)Smoc}
Cat. NO.	NM-CKO-190003
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol Casp8	Synonyms	MACH, Mch5, FLICE, CASP-8
	NCBI ID	12370
	MGI ID	1261423
	Ensembl ID	ENSMUSG00000026029
	Human Ortholog	CASP8

Model Description

These Casp8 flox mice possess loxP sites flanking exons 4. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of the gene.

Research Application: cancer research, Apoptosis

*Literature published using this strain should indicate: Casp8-Flox mice (Cat. NO. NM-CKO-190003) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Autoimmune Lymphoproliferative Syndrome Type 2B	Phenotype(s)	MGI:2655731 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Lck-cre mice.
	Reference(s)	Salmena L, Hakem R, Caspase-8 deficiency in T cells leads to a lethal lymphoinfiltrative immune disorder. J Exp Med. 2005 Sep 19;202(6):727-32

Atopic Dermatitis	Phenotype(s)	MGI:4888399 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with KRT14-cre mice.
	Reference(s)	Li C, Lasse S, Lee P, Nakasaki M, Chen SW, Yamasaki K, Gallo RL, Jamora C, Development of atopic dermatitis-like skin disease from the chronic loss of epidermal caspase-8. Proc Natl Acad Sci U S A. 2010 Dec 21;107(51):22249-54

Validation Data

No data