

# Csf2-KO

系統名	C57BL/6Smoc- <i>Csf2</i> <sup>em2Smoc</sup>
SMOC番号	NM-KO-190532
維持形態	Embryo cryopreservation

## 遺伝子の概要

Gene Symbol CSF2	Synonyms	CSF; Csfgm; GMCSF; Gm-CSF; MGI-IGM
	NCBI ID	<a href="#">12981</a>
	MGI ID	<a href="#">1339752</a>
	Ensembl ID	<a href="#">ENSMUSG00000018916</a>
	Human Ortholog	CSF2

## 説明

Exon 1-3 of *Csf2* gene was deleted to generate *Csf2* knockout mice. Homozygotes for targeted null mutations exhibit lung abnormalities with lymphocytic infiltration and accumulation of surfactant lipids. Litter sizes from homozygous breeding pairs are smaller at weaning due to perinatal mortality (Note from MGI).

**応用分野:** Growth Factors, NF-KB pathway, Allergy and Asthma,

\*Literature published using this strain should indicate: *Csf2*-KO mice (Cat. NO. NM-KO-190532) were purchased from Shanghai Model Organisms Center, Inc..

## 病気の予測

Systemic Lupus Erythematosus	表現型	<a href="#">MGI:3586342</a> Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with <i>Il3</i> -KO(NM-KO-190498) mice.
	参考文献	Enzler T, Gillessen S, Manis JP, Ferguson D, Fleming J, Alt FW, Mihm M, Dranoff G, Deficiencies of GM-CSF and interferon gamma link inflammation and cancer. <i>J Exp Med.</i> 2003 May 5;197(9):1213-9

<b>Pulmonary Alveolar Proteinosis</b>	<b>表現型</b>	<a href="#">MGI:2652689</a>
	<b>参考文献</b>	Stanley E, Lieschke GJ, Grail D, Metcalf D, Hodgson G, Gall JA, Maher DW, Cebon J, Sinickas V, Dunn AR, Granulocyte/macrophage colony-stimulating factor-deficient mice show no major perturbation of hematopoiesis but develop a characteristic pulmonary pathology. Proc Natl Acad Sci U S A. 1994 Jun 7;91(12):5592-6

### 表現型データ

No data