Ccl2-KO(2)

Nomenclature	C57BL/6Smoc-*Ccl2*^{em1Smoc}
Cat. NO.	NM-KO-205027
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol **Ccl2**	**Synonyms**	JE; HC11; MCAF; MCP1; MCP-1; Scya2; Sigje; SMC-CF; AI323594
	NCBI ID	20296
	MGI ID	98259
	Ensembl ID	ENSMUSG00000035385
	Human Ortholog	CCL2

Model Description

Ccl2-KO(2) mice (Stock No.NM-KO-205027） carry a knockout allele derived from the targeted deletion of exon 2-3. While Ccl2-KO mice (Stock No.NM-KO-18025) have been pulled from shelves for some reasons.
*Literature published using this strain should indicate: Ccl2-KO(2) mice (Cat. NO. NM-KO-205027) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

age related macular degeneration	**Phenotype(s)**	MGI:3814819 Note： The expected phenotype(s) may be observed in the above-mentioned mice that bred with Cx3cr1-KO(NM-KO-190065) mice.
	Reference(s)	Tuo J, Bojanowski CM, Zhou M, Shen D, Ross RJ, Rosenberg KI, Cameron DJ, Yin C, Kowalak JA, Zhuang Z, Zhang K, Chan CC, Murine ccl2/cx3cr1 deficiency results in retinal lesions mimicking human age-related macular degeneration. Invest Ophthalmol Vis Sci. 2007 Aug;48(8):3827-36

age related macular degeneration	**Phenotype(s)**	MGI:5527432 Note：The expected phenotype(s) may be observed in the above-mentioned mice that bred with Cx3cr1-KO(NM-KO-190065) mice.
	Reference(s)	Chen M, Hombrebueno JR, Luo C, Penalva R, Zhao J, Colhoun L, Pandi SP, Forrester JV, Xu H, Age- and light-dependent development of localised retinal atrophy in CCL2(-/-)CX3CR1(GFP/GFP) mice. PLoS One. 2013;8(4):e61381
age related macular degeneration	**Phenotype(s)**	MGI:3815114
	Reference(s)	Ambati J, Anand A, Fernandez S, Sakurai E, Lynn BC, Kuziel WA, Rollins BJ, Ambati BK, An animal model of age-related macular degeneration in senescent Ccl-2- or Ccr-2-deficient mice. Nat Med. 2003 Nov;9(11):1390-7

Validation Data

No data