

Tnf-KO

Nomenclature	C57BL/6Smoc- <i>Tnf</i> ^{em1Smoc}
Cat. NO.	NM-KO-00100
Strain State	Repository Live

Gene Summary

Gene Symbol Tnf	Synonyms	DIF; Tnfa; TNF-a; TNFSF2; Tnlg1f; Tnfsf1a; TNFalpha; TNF-alpha
	NCBI ID	21926
	MGI ID	104798
	Ensembl ID	ENSMUSG00000024401
	Human Ortholog	TNF

Model Description

Exon2-3 of Tnf gene were targeted to generate the Tnf knockout mice.

Research Application: Immune and cancer research

*Literature published using this strain should indicate: Tnf-KO mice (Cat. NO. NM-KO-00100) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Rheumatoid Arthritis	Phenotype(s)	MGI:3622060
	Reference(s)	Kontoyiannis D, Pasparakis M, Pizarro TT, Cominelli F, Kollias G, Impaired on/off regulation of TNF biosynthesis in mice lacking TNF AU- rich elements: implications for joint and gut-associated immunopathologies. Immunity. 1999 Mar;10(3):387-98

rheumatoid arthritis	Phenotype(s)	MGI:3622062
	Reference(s)	Kontoyiannis D, Pasparakis M, Pizarro TT, Cominelli F, Kollias G, Impaired on/off regulation of TNF biosynthesis in mice lacking TNF AU- rich elements: implications for joint and gut-associated immunopathologies. Immunity. 1999 Mar;10(3):387-98
Spondyloarthropathy	Phenotype(s)	MGI:3629514
	Reference(s)	Sakkou M, Chouvardas P, Ntari L, Prados A, Moreth K, Fuchs H, Gailus-Durner V, Hrabe de Angelis M, Denis MC, Karagianni N, Kollias G, Mesenchymal TNFR2 promotes the development of polyarthritis and comorbid heart valve stenosis. JCI Insight. 2018 Apr 5;3(7)

Validation Data

No data