

Zap70-W163C(Balb/c)

Nomenclature	BALB/cAnSmoc- <i>Zap70</i> ^{em(W163C)Smoc}
Cat. NO.	NM-KI-210366
Strain State	Repository Live

Gene Summary

Gene Symbol Zap70	Synonyms	Srk; mur; mrtle; ZAP-70
	NCBI ID	22637
	MGI ID	99613
	Ensembl ID	ENSMUSG00000026117
	Human Ortholog	ZAP70

Model Description

These mice carry a W163C mutation of Zap70 gene.

Research Application: Rheumatoid arthritis model, Ankylosing spondylit, SKG mouse arthritis modelis model

*Literature published using this strain should indicate: Zap70-W163C(Balb/c) mice (Cat. NO. NM-KI-210366) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Rheumatoid Arthritis	Phenotype(s)	MGI:3698734
	Reference(s)	Sakaguchi N, Takahashi T, Hata H, Nomura T, Tagami T, Yamazaki S, Sakihama T, Matsutani T, Negishi I, Nakatsuru S, Sakaguchi S, Altered thymic T-cell selection due to a mutation of the ZAP-70 gene causes autoimmune arthritis in mice. Nature. 2003 Nov 27;426(6965):454-60

Validation Data

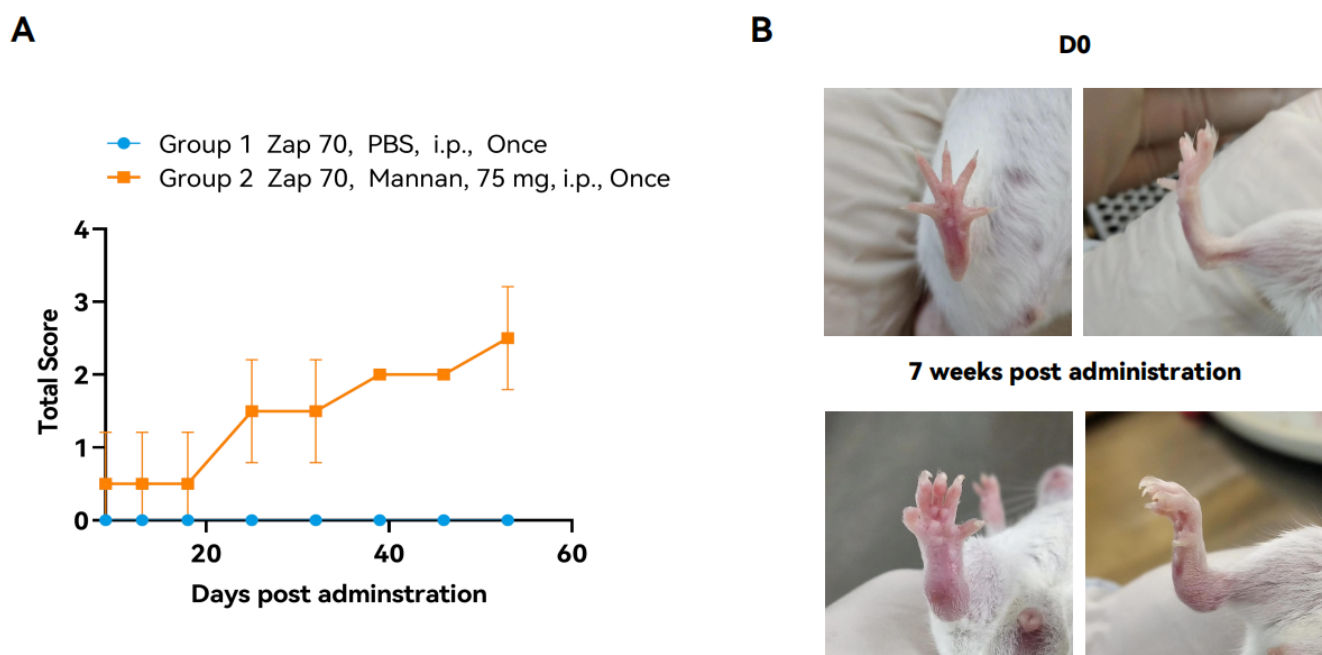


Fig1. Elicitation of chronic arthritis by administration of Mannan.

Signs of arthritis were assessed by a visual score where 0=no joint swelling, 1=mild to moderate swelling, 2=substantial swelling of the wrist or ankle joint, and 3=severe swelling of the wrist or ankle joint.

Publications

[A novel Anti-ROS osteoblast-specific delivery system for ankylosing spondylitis treatment via suppression of both inflammation and pathological new bone formation](#)

References: Journal of Nanobiotechnology