

Il1b-Luc-Tg

Nomenclature	B6.Cg-Tg(IL1B-luc)Smoc
Cat. NO.	NM-TG-00001
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol	Synonyms	Il-1b, IL-1beta
	NCBI ID	16176
	MGI ID	96543
	Ensembl ID	ENSMUSG00000027398
	Human Ortholog	IL1B

Model Description

The transgenic mice model could be used to study transcriptional regulation of the IL-1 β gene expression in the inflammatory process and evaluation the effect of anti-inflammatory drug in vivo.

Research Application: anti-inflammatory, inflammatory process

*Literature published using this strain should indicate: Il1b-Luc-Tg mice (Cat. NO. NM-TG-00001) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

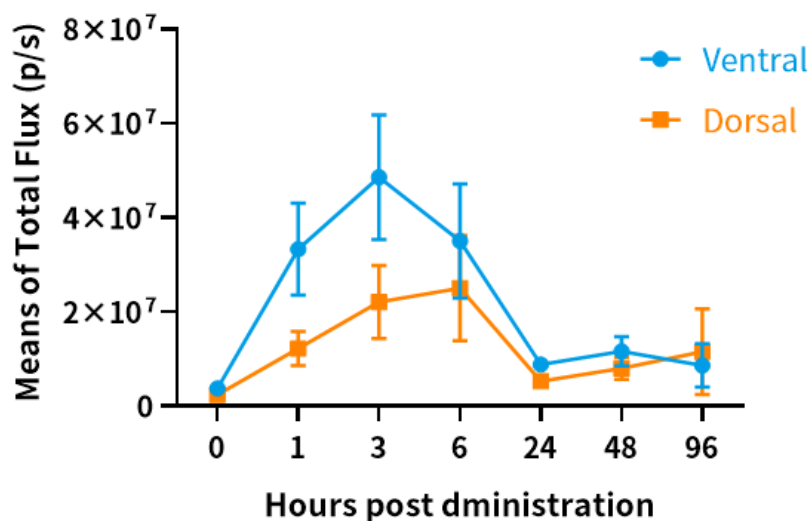


Fig.1 Time course of mean fluorescence intensity on the ventral and dorsal of Il1b-Luc-Tg mice after 5mg/mL LPS administration.

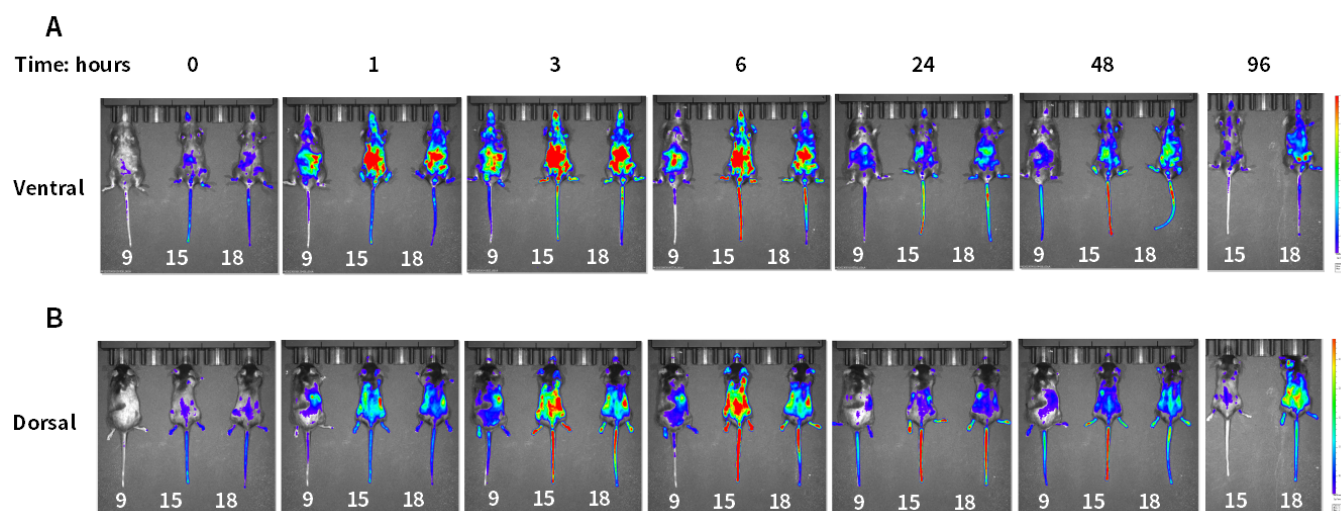


Fig.2 Individual fluorescence intensity on the ventral (A) and dorsal (B) of Il1b-Luc-Tg mice treated with LPS.

Publications

[Functional imaging of interleukin 1 beta expression in inflammatory process using bioluminescence imaging in transgenic mice](#)

References: BMC Immunol