Il13-IRES-Cre

Nomenclature	C57BL/6Smoc- <i>Il13</i> ^{em1(IRES-iCre)Smoc}	
Cat. NO.	NM-KI-200166	
Strain State	Sperm cryopreservation	

Gene Summary

Gene Symbol IL13	Synonyms	IL-13; P600
	NCBI ID	<u>16163</u>
	MGI ID	<u>96541</u>
	Ensembl ID	ENSMUSG0000020383
	Human Ortholog	IL13

Model Description

A IRES-iCre expression cassette was knocked into the Il13 gene stop codon site. This gene encodes a multifunctional cytokine. When crossed with a strain carrying a gene flanked by loxP sites, the flanked gene will be removed in cells expressing cre. This cytokine participates in the regulation of immune response, inflammatory response and hematopoietic process. **Research Application**: Cre recombinase tool; IL13-expressing cell *Literature published using this strain should indicate: Il13-IRES-Cre mice (Cat. NO. NM-KI-200166) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data



tdTomato Merge

Fig. 1 Cre-mediated recombination in the thymus of Il13^{Cre/+}; Rosa26^{tdTomato/+} mouse. TdTomato(red) expression can be detected in individual cells of the thymus derived from Il13^{Cre/+}; Rosa26^{tdTomato/+} mouse.

tdTomato

Merge

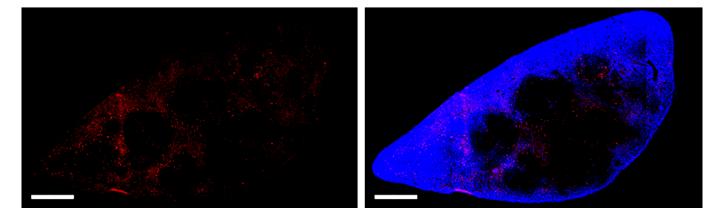


Fig. 2 Cre-mediated recombination in the spleen of Il13^{Cre/+}; Rosa26^{tdTomato/+} mouse. TdTomato(red) expression can be detected in the spleen derived from Il13^{Cre/+}; Rosa26^{tdTomato/+} mouse.

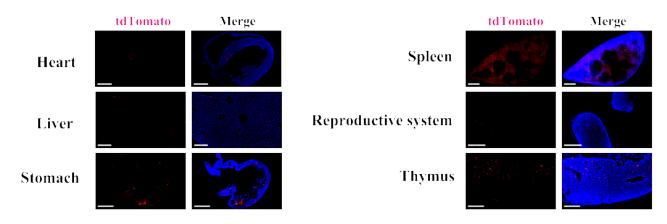


Fig. 3 Detection of tdTomato(red) in various tissues of Il13^{Cre/+}; Rosa26^{tdTomato/+} mice. Cre-mediated recombination can be detected in some cells of the thymus and spleen and in individual cells of the stomach and testis. Tdtomato expression can not be observed in the heart. (For more detailed

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information please contact our technical advisor.)