

MHC Class II (I-A/I-E) -KO

Nomenclature	C57BL/6Smoc- <i>H2-Ab1</i> ^{em1} <i>H2-Aa</i> ^{em1} <i>H2-Eb1</i> ^{em1} <i>H2-Eb2</i> ^{em1} <i>H2-Ea-ps</i> em1 Smoc
Cat. NO.	NM-KO-18032
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol H2-Ab1	Synonyms	IAb; Ia2; Ia-2; Abeta; H-2Ab; H2-Ab; Rmcs1; I-Abeta
	NCBI ID	14961
	MGI ID	103070
	Ensembl ID	ENSMUSG00000073421
	Human Ortholog	HLA-DQB2
Gene Symbol H2-Aa	Synonyms	Ia1; H2Aa; Ia-1; H-2Aa; Aalpha; IAalpha; I-Aalpha
	NCBI ID	14960
	MGI ID	95895
	Ensembl ID	ENSMUSG00000036594
	Human Ortholog	HLA-DQA1
Gene Symbol H2-Eb1	Synonyms	Eb; Ia4; H2Eb; Ia-4; H-2Eb
	NCBI ID	14969
	MGI ID	95901
	Ensembl ID	ENSMUSG00000060586
	Human Ortholog	HLA-DRB1;HLA-DRB5
Gene Symbol H2-Ab1	Synonyms	IAb; Ia2; Ia-2; Abeta; H-2Ab; H2-Ab; Rmcs1; I-Abeta; AI845868
	NCBI ID	14961
	MGI ID	103070
	Ensembl ID	ENSMUSG00000073421

Gene Symbol H2-Eb2	Synonyms	Ia5; Ia-5; H-2Eb2; Iebeta2; A130038H09Rik
	NCBI ID	381091
	MGI ID	95902
	Ensembl ID	ENSMUSG00000067341
	Human Ortholog	H2-EB2

Model Description

All sequences from the upstream of mouse H2-Ab1 gene exon 2 to the upstream of the H2-Ea-ps gene exon 1 were knocked out to obtain H2-Ab1、H2-Aa、H2-Eb1、H2-Eb2、H2-Ea-ps knockout mouse models. These MHC class II molecule-deficient mice were on the C57BL/6J genetic background and also lacked cell surface expression of both class II-A and class II-E MHC proteins.

Research Application: immune system

*Literature published using this strain should indicate: MHC Class II (I-A/I-E) -KO mice (Cat. NO. NM-KO-18032) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

No data