

MHC ClassII(I-A/I-E)-KO(NMG)

Nomenclature	NOD- <i>Prkdc</i> ^{scid} <i>Il2rg</i> ^{em1} <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> ^{em15moc}
Cat. NO.	NM-NSG-003
Strain State	Developing

Gene Summary

Gene Symbol H2-Ab1, H2-Aa, H2-Eb1, H2-Eb2, H1-Ea-ps	Synonyms	Abeta A beta H-2Ab H2-Ab Ia2 Ia-2 IAb I-Ab I-Abeta Rmcs1, Aalpha A alpha H-2Aa Ia1 Ia-1 I-Aalpha, H-2Eb Ia4 Ia-4, A130038H09Rik H-2Eb2 Ia5 Ia-5, H-2Ea Ia3 Ia-3 I-Ealpha
	NCBI ID	14961 , 14960 , 14969 , 381091 , 100504404
	MGI ID	103070 , 95895 , 95901 , 95902 , 95900
	Ensembl ID	ENSMUSG00000073421 , ENSMUSG00000036594 , ENSMUSG00000060586 , ENSMUSG00000067341 , ENSMUSG00000036322
	Human Ortholog	HLA-DQB1, HLA-DQA1, HLA-DRB5, HLA-DRA

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 NMG genetic background and also lacked cell surface expression of both class II-A and class II-E MHC proteins.

Research Application: immunodeficiency, immune system, transplantation research

*Literature published using this strain should indicate: MHC ClassII(I-A/I-E)-KO(NMG) mice (Cat. NO. NM-NSG-003) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

No data