

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

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|---------------------|---|
| Nomenclature | NOD- <i>Prkdc</i> ^{scid} <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> ^{em1Smoc} |
| Cat. NO. | NM-KO-18057 |
| Strain State | Developing |

Gene Summary

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|------------------------------|-----------------------|---|
| 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 |

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|------------------------------|-----------------------|--|
| 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 Nod-Scid genetic background and 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(Nod-Scid) mice (Cat. NO. NM-KO-18057) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

No data