B10.RH B1 H2 - Tp/1(81 N S) Sn J

Stock No: 000457 | B10.RIII

Congenic, Major Histocompatibility Congenic

AVAILABLE NOW

PLACE ORDER

Sized to accommodate orders of up to 50 or more. Ask Customer Service for details.
Also Known As: B10.RIII

This congenic strain develops chronic and relapsing experimental autoimmune encephalomyelitis (EAE) after immunization with myelin basic protein (MBP). Susceptibility is associated with the major histocompatibility complex (MHC) allele, $H2^r$, the T cell receptor V $\beta$8 chain, and other non MHC loci. This strain also is susceptible to induction of collagen-induced arthritis. This congenic strain has been used for numerous immunological studies.

**GENETIC OVERVIEW**

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact Technical Support (2018-07-27 00:00:00)</td>
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**H2$^r$**

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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<tbody>
<tr>
<td>Not Applicable</td>
<td>$H2$</td>
<td>histocompatibility-2, MHC</td>
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**H2-T18$^b$**

<table>
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<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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<tbody>
<tr>
<td>Not Applicable (Not Applicable)</td>
<td>$H2-T18$</td>
<td>histocompatibility 2, T region locus 18</td>
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**Marker(s)**

<table>
<thead>
<tr>
<th>Marker Symbol</th>
<th>Marker Name</th>
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<tr>
<td>$H2$</td>
<td>histocompatibility-2, MHC</td>
</tr>
<tr>
<td>$H2-T18$</td>
<td>histocompatibility 2, T region locus 18</td>
</tr>
</tbody>
</table>

**VIEW GENETICS**
BASE PRICE
Starting at:
$96.08 Domestic price for female 3-week

- Details
- Development
- Control Suggestions
- Selected References

- Genetics
  - H2 λ
  - H2-T18 b
  - H2
  - H2-T18

- Disease/Phenotype
  - Disease Terms
  - Research Areas By Phenotype
  - Mammalian Phenotype Terms by Genotype

- Technical Support
Genotyping Protocols
End Point Analysis: H2rs33481043-Alternate 1-EP
End Point Analysis: H2rs33481043-Alteratte 2
Sanger sequencing: H2-T18-Alternate 3
Sanger sequencing: H2rs33481043 alt 1

Genotyping resources and troubleshooting

Dietary Information
LabDiet® 5K52 formulation (6% fat)

Breeding Considerations
This strain is a good breeder.
Wean-aged mice may show signs of barbering that include whisker picking. Affected mice typically regrow whiskers within two weeks after weaning.

Additional Breeding and Husbandry Support

Mating System
Sibling x Sibling

Appearance
black
Related Genotype: a/a

Citation
When using the B10.RIII mouse strain in a publication, please cite the originating article(s) and include JAX stock #000457 in your Materials and Methods section.

Pricing & Availability
Sized to accommodate orders of up to 50 or more. Ask Customer Service for details.

Available Now

<table>
<thead>
<tr>
<th>AGE</th>
<th>SEX</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<td>Genotype for H2-T18</td>
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<td>------</td>
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<tr>
<td>8 weeks Female</td>
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<td>Homozygous for H2-T18</td>
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<tr>
<td>8 weeks Male</td>
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<td>Homozygous for H2-T18</td>
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<td>9 weeks Male</td>
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**General Terms and Conditions**

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Phone: 207-288-6470  
Email: TechTran@jax.org

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