**B10.RIII-H2-T18/(71NS)SnJ**

**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, $H2^T$, 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</td>
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<td>(2018-07-27 00:00:00)</td>
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### $H2^T$

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

### $H2-T18^b$

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

**VIEW GENETICS**
RESEARCH APPLICATIONS
Immunology, Inflammation and Autoimmunity Research

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

Details

Development

Control Suggestions

Selected References

Genetics

H2α

H2-T18b

H2

H2-T18

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support
Genotyping Protocols
End Point Analysis: H2rs33481043-Alternate 1-EP  
End Point Analysis: H2rs33481043-Alternate 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.

Animal Health Reports

Facility Barrier Level Descriptions

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

Live Mouse

<table>
<thead>
<tr>
<th>AGE</th>
<th>SEX</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<tbody>
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<td>3 weeks</td>
<td>Female</td>
<td>Homozygous for H2_r Homozygous for H2-T18_r</td>
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<tr>
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<tr>
<td>Weeks</td>
<td>SEX</td>
<td>Genotype</td>
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Email: TechTran@jax.org

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Related Strains

- All
- By Allele
- By Gene
- By Collection

All Related Strains