**INVESTIGATOR**

<table>
<thead>
<tr>
<th>Name</th>
<th>Thomas M. Jessell and Jane Dodd</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>Center for Neurobiology &amp; Behavior, Columbia University, 722 W. 168th St., New York, NY 10032</td>
</tr>
</tbody>
</table>

**IMMUNOGEN**

<table>
<thead>
<tr>
<th>Substance</th>
<th>2102EP/4D3 Human EC cell line</th>
</tr>
</thead>
</table>

**IMMUNIZATION PROTOCOL**

<table>
<thead>
<tr>
<th>Donor Animal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Species</td>
</tr>
<tr>
<td>Strain</td>
</tr>
<tr>
<td>Sex</td>
</tr>
<tr>
<td>Organ and tissue</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Immunization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dates immunized</td>
</tr>
<tr>
<td>Amount of antigen</td>
</tr>
<tr>
<td>Route of immunization</td>
</tr>
<tr>
<td>Adjuvant</td>
</tr>
</tbody>
</table>

**FUSION**

| Date       | 6/17/84 |

**MONOCLONAL ANTIBODY**

<table>
<thead>
<tr>
<th>Isotype</th>
<th>IgM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specificity</td>
<td></td>
</tr>
<tr>
<td>Cell binding</td>
<td>subset of DRG neurons (postnatal)</td>
</tr>
<tr>
<td>Immunohistology</td>
<td>embryonic sympathetic neurons and neurons in embryonic adrenal medulla</td>
</tr>
<tr>
<td>Antibody competition</td>
<td></td>
</tr>
<tr>
<td>Species Specificity</td>
<td></td>
</tr>
</tbody>
</table>

**ANTIGEN**

<table>
<thead>
<tr>
<th>Chemical properties</th>
<th>carbohydrate epitope, probably globoseries</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molecular weight</td>
<td>MSGG (monosialogalactosylgloboside), Luke antigen</td>
</tr>
</tbody>
</table>

**Characterization**

<table>
<thead>
<tr>
<th>Immunoprecipitation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immunoblotting</td>
</tr>
<tr>
<td>Purification</td>
</tr>
<tr>
<td>Amino acid sequence analysis</td>
</tr>
<tr>
<td>Functional effects</td>
</tr>
<tr>
<td>Immunohistochemistry</td>
</tr>
</tbody>
</table>

**PUBLICATIONS**


We have been asked by NICHD to ensure that all investigators include an acknowledgment in publications that benefit from the use of the DSHB's products. We suggest that the following statement be used:

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