Immediate Availability

Mouse Anti-theta Serum

(AKR Anti-C₃H Theta)

Anti-theta serum has been demonstrated to be a useful reagent for investigations concerning the role of mouse T-cells in cellular immunity. It has been used in studies of anti-tumor immunity as well as in anti-viral and anti-bacterial immunity where identification or elimination of T-cells were required.

This reagent is obtained by injecting thymocytes from young C₃H mice into AKR mice. Since these mouse strains are syngeneic at the H-2 locus, this procedure raises antibodies against the allogeneic C₃H theta antigen specifically associated with T-cells.

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- Immediate availability

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*Chamber and tray components are high quality, molded polycarbonate.*

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3. Non-specific protein binding
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** Pre-cut filters with various micron ratings are available.

** Dual filters

<table>
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<tr>
<th>Type</th>
<th>Model</th>
<th>Outer Diameter</th>
<th>Inner Diameter</th>
<th>Length</th>
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<td>Upper Chamber PC-1</td>
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<td>Upper Chamber PC-2</td>
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<td>12.7 mm</td>
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<tr>
<td>Upper Chamber PC-3</td>
<td>13.0 mm</td>
<td>6.4 mm</td>
<td>12.7 mm</td>
<td>LC 1/2, 9/16 SC</td>
<td></td>
</tr>
</tbody>
</table>

** For use in studies of cell surface antigens. Binds specifically to the Fc region of IgG of sub-classes 1, 2 and 4. Purified by affinity chromatography.

Protein A- Sepharose® CL-4B for affinity chromatography of IgG. Protein A covalently coupled to cross-linked Sepharose 4B.

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**FLUORESCEIN CONJUGATED ANTISERA**

<table>
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<tr>
<th>Liquid Antiserum To:</th>
<th>Produced In:</th>
<th>Code No.</th>
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<tbody>
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<td>Bovine IgG (Specific To Subclass)</td>
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<tr>
<td>Bovine IgG₂ (Specific To Subclass)</td>
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<tr>
<td>Bovine IgA (Specific To α Chain)</td>
<td>Rabbit</td>
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<tr>
<td>Bovine IgM (Specific To μ Chain)</td>
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<tr>
<td>Chicken IgG (H. &amp; L. Chain)</td>
<td>Goat</td>
<td>65-106</td>
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<tr>
<td>Human IgG (H. &amp; L. Chain)</td>
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<td>65-207</td>
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<tr>
<td>Rabbit IgG (H. &amp; L. Chain)</td>
<td>Sheep</td>
<td>65-204</td>
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<tr>
<td>Sheep IgG (H. &amp; L. Chain)</td>
<td>Rabbit</td>
<td>65-205</td>
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**PEROXIDASE CONJUGATED ANTISERA**

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<tr>
<td>Dog IgG (H. &amp; L. Chain)</td>
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<tr>
<td>Horse IgG (H. &amp; L. Chain)</td>
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<td>Human IgG (H. &amp; L. Chain)</td>
<td>Goat</td>
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**FERRITIN CONJUGATED ANTISERA**

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<td>Rabbit IgG (H. &amp; L. Chain)</td>
<td>Goat</td>
<td>61-280</td>
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Other Horse Ferritin Conjugated Antisera are in development—Please inquire.

**PEROXIDASE ANTI-PEROXIDASE SOLUBLE COMPLEX**

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<th>Lyophilized Soluble Complex</th>
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<td>PAP</td>
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**ANTISERUM TO PEROXIDASE**

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<tr>
<td>Horseradish Peroxidase</td>
<td>Goat</td>
<td>61-245</td>
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</tbody>
</table>

More detailed description of these products can be found in our new Biochemicals Catalog. If you don't have one, write the office nearest you for your free copy.
Contemporary Topics in Immunobiology provides a continuing source for immunologists, focusing on an investigator's or group's collective research work in an area that has become one of the principal research vehicles in the study of cellular immunology, cancer, and transplantation.

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The Pennsylvania State University College of Medicine
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edited by William O. Weigle
Scripps Clinic and Research Foundation
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**UNIT DEFINITION:** One unit will hydrolyze 1.0 μM of the Nitrophenyl Glycoside substrate per minute at the appropriate pH and temperature.

<table>
<thead>
<tr>
<th>Enzyme Name</th>
<th>Source</th>
<th>Units</th>
<th>Price</th>
<th>Description</th>
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<td>α-L-FUCOSIDASE</td>
<td>From Bovine Epididymis</td>
<td>0.5</td>
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<td>Suspension in 2.5 M (NH₄)₂SO₄, pH 5.8, 25°C</td>
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<td>2</td>
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<td>From Aspergillus niger</td>
<td>5</td>
<td>$18.00</td>
<td>50 mM Sodium Acetate, pH 5.5, 25°C</td>
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<td></td>
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<td>25</td>
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<td>β-GALACTOSIDASE</td>
<td>From Bovine Epididymis</td>
<td>1</td>
<td>$5.40</td>
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<td>5</td>
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<td>25</td>
<td>$60.00</td>
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<td></td>
<td>From Jack Beans</td>
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<td>$5.40</td>
<td>Suspension in 3.0 M (NH₄)₂SO₄, pH 7.0, 25°C</td>
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<td></td>
<td>1</td>
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<td></td>
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<td>25</td>
<td>$138.00</td>
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</table>

In addition to the above, SIGMA also continues to offer as previously listed in our Catalog:

- α-Amylase
- β-Amylase
- Amylglucosidase
- Cellulase
- Chitinase
- β-Galactosidase (E. coli)
- β-Galactosidase (Bovine Liver)
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Motor Disorders of the Esophagus

By Robert D. Henderson, MB, FRCS(C), with the editorial collaboration of John O. Godden, MD, FRCP(C)

In the rapidly expanding field of thoracic surgery, there has been a need to define and inform — Motor Disorders of the Esophagus is the state of the art of esophageal surgery.

Covering 90 percent of all esophageal disease, Motor Disorders of the Esophagus is founded on wide and intensive experience. Presentations of individual clinical entities are illustrated by characteristic case histories, and the symptoms, natural history, and results of therapy are grounded in a thorough review of a large number of patients. Motor Disorders is a practical summary of modern knowledge of esophageal dysfunction, an evaluation of the esophageal literature, and the author’s original views of motor disorders — all combined to demonstrate the dramatic increase in investigative and therapeutic activity in this area of thoracic medicine.

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