New From Becton Dickinson

Monoclonal Antibodies Detecting Human Antigens

Now available from Becton Dickinson—purified and well-characterized monoclonal antibodies to human cell surface and serum protein determinants. Select from over 15 new reagents, including antibodies to human IgA subclasses, and human T and B lymphocyte markers. The reagents are purified as monoclonal antibodies and, in many cases, as biotin and fluorescein conjugates.

Becton Dickinson monoclonal reagents are carefully characterized as to specificity, chain composition, and subpopulation distribution. Activity is measured using immunofluorescence staining with Fluorescence Activated Cell Sorter (FACS) analysis or enzyme-linked immunoassay. Each shipment includes complete product descriptions, current test data, and test protocols.

<table>
<thead>
<tr>
<th>Monoclonal Antibody</th>
<th>Reactivity with Subpopulations of Human Peripheral Blood Mononuclear Cells (PBMC)</th>
<th>B</th>
<th>MONOCYTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>α-Leu-1^2 Cloned L17F12</td>
<td>TH₂⁺</td>
<td>TH₂⁻</td>
<td>10-20%</td>
</tr>
<tr>
<td>α-Leu-2a^3 Cloned SK1</td>
<td>20-40%</td>
<td>40-60%</td>
<td>10-20%</td>
</tr>
<tr>
<td>α-Leu-3a Cloned SK3</td>
<td>-helper-inducer</td>
<td>Antibody-Forming Cell Precursor</td>
<td>Macrophage Precursor</td>
</tr>
<tr>
<td>α-HLA-Dr^4 Cloned L243</td>
<td>20-40%</td>
<td>40-60%</td>
<td>10-20%</td>
</tr>
</tbody>
</table>

Subpopulation Contains:

- Suppressor and Cytotoxic
- Helper and Inducer
- Antibody-Forming Cell Precursor
- Macrophage Precursor

ALSO AVAILABLE:

- Anti-human β₂ microglobulin (Clone L368) — detects the human cell surface molecule composed of β₂ microglobulin and HLA
- Anti-human IgA₂ (Clone 14-3-26) — distinguishes between genetic invariant and nonallotypic human IgA subclasses
- Anti-mouse monoclonal antibodies — a wide range detecting mouse cell surface antigens

For further information as to how Becton Dickinson reagents can serve your research needs, write or call us today.

Becton Dickinson FACS Systems
Monoclonal Antibody Center
490-B Lakeside Drive
Sunnyvale, California 94086
Telephone 408/738-8558
TWX 910 338 2026

For research only. Not for use in human diagnostic or therapeutic procedures.

References:
Leitz Diavert. The only inverted microscope system with Leitz quality any way you look at it.

The Leitz® Diavert is the perfect answer to the constantly changing applications of the inverted microscope. Because as lab needs evolve, the highly modular Diavert is made to meet them. All of them.

The core of the Diavert is an L-shaped stand. It easily supports elaborate photographic and specimen handling equipment as well as a multitude of accessories for transmitted and reflected light microscopy.

**Microscopical Techniques**

The condenser system provides a 62mm free working distance for brightfield and phase contrast up to 40x objective magnification. The optional Ploem incident light fluorescence illuminator offers two wave length fluorescence readily adaptable for

fluorescence studies in multiple well dishes or regular slides. Of course, you can call upon darkfield, interference contrast and the new reflection contrast for the study of phase phenomena in tissue cultures.

**Micromanipulation**

The stage is positioned low and the specimen is accessible from three sides. Plus a simple adaptation lets you focus the nosepiece rather than the stage. So you can use the renowned Leitz Micromanipulator without restriction.

**Unlimited Photomicrography**

Cameras are mounted vertically, not horizontally. This increases stability, convenience of operation and minimizes vibrations. Consistent with all Leitz microscopes, the photographic abilities of the Diavert are virtually unlimited and it accepts the extremely versatile new Vario-Orthomat camera system.

**Broad Application Spectrum**

The special long working distance condensers of the Diavert easily allow ample space for handling delicate in vivo specimens in roller flasks or larger laboratory vessels. For studies in differential interference contrast, the Diavert is equipped with a special long working distance system for objective magnifications up to 32x.

On a day to day basis, the Diavert becomes a very reliable laboratory asset. The images seen move in the same direction as the specimen moves. This is especially convenient for micromanipulation and whenever the culture vessel is moved by hand. Since the very large (164 x 160mm) stage is positioned relatively low, the technician can comfortably see the specimen during operation. There is a broad range of interchangeable components for studies in tissue culture, histocompatibility, physiology and marine biology.

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Anti-mouse Thy 1.1
Anti-mouse Lyt 1.1
Anti-mouse Lyt 2.1
Anti-mouse Lyt 2.2

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When you buy monoclonal antibodies for research from New England Nuclear, you can be sure they are made and tested to the standards of quality traditional in our radiochemicals. These hybridoma-produced immunoglobulins show exceptionally high specificity and titer, confirmed by assay, with results and other technical data included in your shipment.

Then there are the intangible benefits, which you can easily make tangible by calling us toll free. Our technical staff will gladly share with you the experience we have gained in building this major new product line, including the application and behavior of monoclonal antibodies under experimental conditions.

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