CD21 (B-ly4)

FORMS

<table>
<thead>
<tr>
<th>Form</th>
<th>Catalog number</th>
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</thead>
<tbody>
<tr>
<td>V450</td>
<td>658170</td>
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DESCRIPTION

Specificity
The CD21 antibody specifically binds to a 145-kilodalton (kDa) glycosylated type I integral membrane protein. The CD21 antigen is also known as complement receptor type 2 (CR2), C3d receptor, and Epstein-Barr virus receptor (EBV-R).

Antigen distribution
The CD21 antigen is expressed on mature B cells, marginal zone B cells, follicular dendritic cells, and some epithelial cells. The CD21 antigen is expressed at low levels on some subsets of thymocytes and T cells.

Clone
The CD21 antibody, clone B-ly4, is derived from the hybridization of mouse myeloma cells with spleen cells from immunized mice.

Composition
The CD21 antibody is composed of mouse IgG1 heavy chains and kappa light chains.

Product configuration
The following is supplied in phosphate buffered saline (PBS) containing a stabilizer and a preservative.

<table>
<thead>
<tr>
<th>Form</th>
<th>Number of tests</th>
<th>Volume per test (µL)(^a)</th>
<th>Amount provided (µg)</th>
<th>Total volume (mL)</th>
<th>Concentration (µg/µL)</th>
<th>Stabilizer</th>
<th>Preservative</th>
</tr>
</thead>
<tbody>
<tr>
<td>V450b</td>
<td>100</td>
<td>5</td>
<td>6.5</td>
<td>0.5</td>
<td>13</td>
<td>Gelatin</td>
<td>0.1% Sodium azide</td>
</tr>
</tbody>
</table>

\(^a\) Volume required to stain 10^6 cells.
\(^b\) BD Horizon™ V450.

CAUTION
Prolonged exposure of cells to paraformaldehyde can lead to increased autofluorescence in the violet channels. For overnight storage of stained cells, wash and resuspend in buffer without paraformaldehyde after 1 hour of fixation.

Purity
V450: ≤20% free fluorophore at bottling, as measured by size-exclusion chromatography (SEC)

HANDLING AND STORAGE
Store vials at 2°C–8°C. Conjugated forms should not be frozen. Protect from exposure to light. Each reagent is stable until the expiration date shown on the bottle label when stored as directed.

Analyte Specific Reagent. Analytical and performance characteristics are not established.
WARNING

All biological specimens and materials coming in contact with them are considered biohazards. Handle as if capable of transmitting infection\textsuperscript{10,11} and dispose of with proper precautions in accordance with federal, state, and local regulations. Never pipette by mouth. Wear suitable protective clothing, eyewear, and gloves.

CHARACTERIZATION

To ensure consistently high-quality reagents, each lot of antibody is tested for conformance with characteristics of a standard reagent.

WARRANTY

Unless otherwise indicated in any applicable BD general conditions of sale for non-US customers, the following warranty applies to the purchase of these products.

REFERENCES


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