CD3 Hamster Anti-Mouse Monoclonal Antibody (clone 145-2C11) PE-Cy®5 Conjugate

Store at 2°C to 8°C

Pub. No. MAN0008190 Rev. 1.00

<table>
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<th>Catalog No.</th>
<th>Form</th>
<th>Amount</th>
<th>Excitation</th>
<th>Peak Emission</th>
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<tbody>
<tr>
<td>A15837</td>
<td>PE-Cy®5</td>
<td>50 μg (0.2 mg/mL)</td>
<td>488 nm</td>
<td>670 nm</td>
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Clone

145-2C11

Host/Class

Armenian Hamster IgG

Description

The CD3 Hamster Anti-Mouse Monoclonal Antibody (mAb) reacts with mouse CD3e, a 20 kDa subunit of the CD3 T-cell co-receptor. CD3 is made up of four subunits (one γ chain, one δ chain, and two ε chains), and associates with the TCR and ζ-chain to make up the T cell receptor complex. It is involved in antigen presentation, signal transduction, and T cell activation. CD3 is expressed by thymocytes in a developmentally regulated manner and by all mature T cells. Binding of the CD3 Armenian Hamster Anti-Mouse mAb is commonly used as a phenotypic mouse T cell marker.

Alternate Names

CD3 epsilon

Applications*

FC (mouse thymocyte and splenocyte suspensions), FUNC1, IHC(F) 2, 3, IP4, 5, WB4, 5

Storage Buffer

The reagent is provided in aqueous buffer with 0.09% sodium azide, and may contain carrier protein/stabilizer.

Storage

Store reagents in the dark at 2° to 8°C. Do not freeze. If the reagent is being diluted, it is recommended that only the quantity to be used within one week be diluted.

Avoid prolonged light exposure with fluorochrome-conjugated antibodies. Use dim light during handling, incubation with cells, and prior to analysis.

Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on Certificate of Analysis.

Lot Number

See product label.

References


* Because conditions may vary, it is recommended that each investigator determine the optimal amount of antibody to be used for each application.

FC = flow cytometry; FUNC = functional assay; ICC = immunocytochemistry; IHC(F) = immunohistochemistry (frozen sample); IHC(P) = immunohistochemistry (paraffin embedded sample); IP = immunoprecipitation; RIA = radioimmunoassay; WB = western blot

For Research Use Only. Not for use in diagnostic procedures.

Manufacturing site: 7335 Executive Way | Frederick, MD 21704 | Toll Free in USA 800.955.6288
Figure 1 Staining of BALB/c splenocytes with CD3 Hamster Anti-Mouse PE-Cy®5 Conjugate (Cat. no. A15837).

Staining of BALB/c splenocytes with 0.125 µg of CD3 Hamster Anti-Mouse PE-Cy®5 Conjugate (filled histogram), or staining buffer showing autofluorescence (open histogram). Total cells were used for analysis.

Explanation of Symbols

The symbols present on the product label are explained below:

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<thead>
<tr>
<th>Symbol</th>
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<td>Temperature limitation</td>
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<td></td>
<td>Consult instructions for use</td>
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24 April 2013