Technical Data Sheet

Purified NA/LE Rat Anti-Mouse CD2

Product Information

Material Number: 562182
Alternate Name: LFA-2; LFA-3 receptor; Ly37; Ly-37; Lymphocyte antigen 37; T11
Size: 0.5 mg
Concentration: 1.0 mg/ml
Clone: RM2-5
Immunogen: Mouse BALB/c Thymocytes
Isotype: Rat (SD) IgG2b, λ
Reactivity: QC Testing: Mouse
Storage Buffer: No azide/low endotoxin: Aqueous buffered solution containing no preservative, 0.2µm sterile filtered. Endotoxin level is \( \leq 0.01 \) EU/µg (\( \leq 0.001 \) ng/µg) of protein as determined by the LAL assay.

Description

The RM2-5 monoclonal antibody specifically binds to the immunoglobulin superfamily adhesion molecule, CD2 (LFA-2). CD2 is a type I transmembrane glycoprotein that serves as the major receptor for CD48 in the mouse. CD2 is involved in T-cell activation, immunoregulation, and thymocyte maturation. In the mouse, CD2 is expressed on peripheral T lymphocytes, B lymphocytes, and NK cells, and a subpopulation of intraepithelial T lymphocytes. CD2 is expressed throughout mouse thymic ontogeny, except for distinct subsets of the CD4+CD8+ early thymocytes. In the mouse bone marrow, CD2 is expressed on B220+ sIg+ CD43- pre-B cells, but not on CD43+ pro-B cells. The RM2-5 antibody is one of a set of five anti-mouse CD2 monoclonal antibodies that were classified into two groups according to their mutual competition in binding to cell surface CD2 and which block CD2-mediated cell-cell adhesion.

Preparation and Storage

Store undiluted at 4°C.
The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. This preparation contains no preservatives, thus it should be handled under aseptic conditions.

Application Notes

Application

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<tr>
<th>Application</th>
<th>Routinely Tested</th>
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<tr>
<td>Flow cytometry</td>
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Suggested Companion Products

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
<th>Clone</th>
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<tbody>
<tr>
<td>553083</td>
<td>Purified NA/LE Rat Anti-Mouse CD45R/B220</td>
<td>0.5 mg</td>
<td>RA3-6B2</td>
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Product Notices

2. Since applications vary, each investigator should titrate the reagent to obtain optimal results.

References


BD Biosciences

BD Biosciences.com

United States Canada Europe Japan Asia Pacific Latin America/Caribbean

877.232.8995 888.268.5430 32.53.729.550 01.29.855.90 65.4681.0633 0800.771.7157

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