Rat Anti-Mouse CD2

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Format</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>1525-01</td>
<td>Purified (UNLB)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>1525-02</td>
<td>Fluorescein (FITC)</td>
<td>0.5 mg</td>
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<tr>
<td>1525-02S</td>
<td>Fluorescein (FITC)</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>1525-08</td>
<td>Biotin (BIOT)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>1525-09</td>
<td>R-phycocerythrin (PE)</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>1525-09L</td>
<td>R-phycocerythrin (PE)</td>
<td>0.2 mg</td>
</tr>
<tr>
<td>1525-14</td>
<td>Low Endotoxin, Azide-Free (LE/AF)</td>
<td>0.5 mg</td>
</tr>
</tbody>
</table>

Overview

Clone: 12-15
Isotype: Rat (Sprague Dawley) IgG1
Immunogen: Crude plasma membranes of ESb cells
Specificity: Mouse CD2; Mr 45-58 kDa
Alternate Name(s): LFA-2, T11, Ly37, SRBC-R, Leu-5, LFA-3 receptor

Description

CD2, also known as leukocyte function-associated antigen-2 (LFA-2), is a member of the immunoglobulin superfamily of cell adhesion molecules. It is expressed on the surface of >95% of thymocytes, and essentially all B cells, T cells and NK cells. In the mouse, CD2 is the receptor for CD48. CD2 is thought to play a major role in mediating T-cell adhesion, T-cell recognition/activation, T-cell signaling, and intrathymic differentiation.

Applications

- FC – Quality tested
- IP – Reported in literature
- Sep – Reported in literature
- Block – Reported in literature
- Purification – Reported in literature

Working Dilutions

Flow Cytometry
- FITC and BIOT conjugates ≤ 1 µg/10^6 cells
- PE conjugate ≤ 0.5 µg/10^6 cells

For flow cytometry, the suggested use of these reagents is in a final volume of 100 µL

Other Applications

Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.
**Handling and Storage**

- The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The fluorescein (FITC) conjugate is supplied as 0.5 mg or 0.1 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The R-phycocerythrin (PE) conjugate is supplied as 0.1 mg in 1.0 mL or 0.2 mg in 2.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The low endotoxin, azide-free (LE/AF) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of PBS. **Aliquot and store at or below -20°C.**
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

**Warning**

Some reagents contain sodium azide. Please refer to product specific (M)SDS.

**References**