Rat Anti-Mouse CD18

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Format</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>1570-01</td>
<td>Purified (UNLB)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>1570-02</td>
<td>Fluorescein (FITC)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>1570-08</td>
<td>Biotin (BIOT)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>1570-09</td>
<td>R-phycocerythrin (PE)</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>1570-14</td>
<td>Low Endotoxin, Azide-Free (LE/AF)</td>
<td>0.5 mg</td>
</tr>
</tbody>
</table>

Overview

Clone: C71/16
Isotype: Rat (Lewis) IgG2aκ
Immunogen: Cell membrane glycoproteins derived from mouse BW5147 T cell lymphoma cells
Specificity: Mouse CD18; Mr 95 kDa
Alternate Name(s): Integrin β2, ITGB2

Description

CD18 represents the common β2 integrin subunit that associates non-covalently with the α/β chains of CD11a, CD11b, and CD11c to form various integrin heterodimers. It is expressed strongly on lymphocytes and monocytes and weakly on granulocytes. CD18 mediates a variety of heterotypic and homotypic intercellular adhesion reactions and it regulates the ligand-binding activities of the various CD11/CD18 complexes. The monoclonal antibody C71/16 has not been reported to inhibit cell adhesion.

Applications

FC – Quality tested
IHC-FS – Reported in literature
IHC-PS – Reported in literature
ICC – Reported in literature
IP – Reported in literature
WB – Reported in literature
ELISA – Reported in literature

Working Dilutions

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

Flow Cytometry
- FITC and BIOT conjugates
- PE conjugate

≤ 1 μg/10^6 cells
≤ 0.2 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 in 1.0 mL of PBS/Na3. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/Na3. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/Na3 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. Each reagent is 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