Mouse Anti-Human CD9

Overview

Clone: MM2/57
Isotype: Mouse IgG2b, κ
Immunogen: Unknown
Specificity: Human/Hamster/Canine/Feline/Monkey/Rabbit/Raccoon CD9; Mr 24 kDa
Alternate Name(s): MRP-1, MIC3, DRAP-27, p24
Workshop: V P098

Description

CD9 is a 24 kDa member of the transmembrane 4 superfamily (TM4-SF) of cell surface receptors. It is expressed strongly on platelets, lymphoid progenitor cells, activated lymphocytes and endothelia, and, weakly, on eosinophils, granulocytes, monocytes, and macrophages. CD9 functions as an adhesion molecule where it mediates platelet aggregation and activation.

Applications

Flow cytometry

- 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.

Working Dilutions

Flow Cytometry

<table>
<thead>
<tr>
<th>Format</th>
<th>Size</th>
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<tbody>
<tr>
<td>Purified (UNLB)</td>
<td>≤ 1 μg/10⁶ cells</td>
</tr>
<tr>
<td>FITC and PE conjugates</td>
<td>10 μL/10⁶ cells</td>
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</tbody>
</table>

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.

For Research Use Only. Not for Diagnostic or Therapeutic Use.
Handling and Storage

- The purified (UNLB) antibody is supplied as 0.1 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 25 tests in 0.25 mL or 100 tests in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 25 tests in 0.25 mL or 100 tests in 1.0 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