Technical Data Sheet

PE Mouse Anti-Human CD59

Product Information

Material Number: 557141
Alternate Name: HRF-20; MAC-inhibitory protein; MAC-IP; MACIF; MEM43; MIRL; Protectin; 1F5
Size: 50 Tests
Vol. per Test: 20 µl
Clone: p282 (H19)
Immunogen: Human Erythrocytes
Isotype: Mouse IgG2a, κ
Reactivity: QC Testing: Human, Rhesus, Cynomolgus, Baboon
Workshop: V S006
Storage Buffer: Aqueous buffered solution containing BSA, protein stabilizer, and ≤0.09% sodium azide.

Description

Clone p282 reacts with the human form of the 19 kDa glycosylphosphatidylinositol (GPI)-anchored glycoprotein known as CD59, expressed on hematopoietic and non-hematopoietic cells. Clone p282 also cross-reacts with peripheral blood leukocytes of baboon and both rhesus and cynomolgus macaque monkeys. The distribution of leukocytes is similar to that observed with peripheral blood leukocytes from normal human donors, with all populations, lymphocytes, monocytes and granulocytes showing reactivity to p282.

Preparation and Storage

Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.
The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
The antibody was conjugated with R-PE under optimum conditions, and unconjugated antibody and free PE were removed.

Application Notes

Application

| Flow cytometry Routinely Tested |

Suggested Companion Products

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
<th>Clone</th>
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<td>PE Mouse IgG2a, κ Isotype Control</td>
<td>50 Tests</td>
<td>G155-178</td>
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<td>PE Mouse Anti-Human CD59</td>
<td>25 Tests</td>
<td>p282 (H19)</td>
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<td>100 Tests</td>
<td>p282 (H19)</td>
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<td>Lysing Buffer</td>
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<td>BD FACS™ Lysing Solution</td>
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Product Notices

1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use $1 \times 10^6$ cells in a 100-µl experimental sample (a test).
2. An isotype control should be used at the same concentration as the antibody of interest.
3. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
4. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
5. For fluorochrome spectra and suitable instrument settings, please refer to our Multicolor Flow Cytometry web page at www.bdbiosciences.com/colors.
6. Species testing during development may have been performed with a different format of the same clone. Selected applications have been tested for cross-reactivity.

References


