Technical Data Sheet

PE Mouse IgG1, κ Isotype Control

Product Information

Material Number: 550617
Size: 0.1 mg
Concentration: 0.2 mg/ml
Clone: MOPC-31C
Isotype: Mouse (BALB/c) IgG1, κ
Storage Buffer: Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The MOPC-31C antibody has unknown specificity. The transplantable plasmacytoma MOPC-31C was induced by intraperitoneal injection of mineral oils into BALB/c mice. It was adapted to continuous cell culture by alternate passage in animals.

Preparation and Storage

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. Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

Application Notes

Application

| Isotype control | Routinely Tested |
| Flow cytometry  | Routinely Tested |

Recommended Assay Procedure:

An isotype control should be used at the same concentration as the antibody of interest (e.g., ≤ 1 µg/million cells for flow cytometry).

We recommend PE-conjugated mouse IgG1 κ mAb MOPC-21 (Cat. No. 555749) for immunofluorescent staining of human whole blood, mAb MOPC-21 (Cat. No. 554680 or 559320) for intracellular cytokine flow cytometry, and mAb MOPC-21 (Cat. No. 556650) for non-human primate cells.

Suggested Companion Products

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<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
<th>Clone</th>
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<td>PE Mouse IgG1, κ Isotype Control</td>
<td>100 tests</td>
<td>MOPC-21</td>
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<tr>
<td>559320</td>
<td>PE Mouse IgG1, κ Isotype Control</td>
<td>100 tests</td>
<td>MOPC-21</td>
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Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
3. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bdbiosciences.com/colors.
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.

References