Technical Data Sheet

PE Mouse Anti-Pig Monocyte/Granulocyte

Product Information

Material Number: 561499
Alternate Name: SWC3; CD172a
Size: 50 µg
Concentration: 0.2 mg/ml
Clone: 74-22-15A
Immunogen: dd miniature swine thymocytes
Isotype: Mouse (BALB/c) IgG2b, κ
Reactivity: QC Testing: Pig
Storage Buffer: Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The 74-22-15A (switch variant of 74-22-15) monoclonal antibody, an isotype class-switch variant of mAb 74-22-15, specifically binds to a 230-kDa protein expressed by most pig macrophages, peripheral blood monocytes and granulocytes, and few lymphocytes. mAb 74-22-15A does not crossreact with human or bovine cells. This clone was clustered as anti-SWC3a at the First International Swine CD workshop.

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

Flow cytometry Routinely Tested

Suggested Companion Products

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
<th>Clone</th>
</tr>
</thead>
<tbody>
<tr>
<td>559529</td>
<td>PE Mouse IgG2b, κ Isotype Control</td>
<td>0.1 mg</td>
<td>MPC-11</td>
</tr>
<tr>
<td>555899</td>
<td>Lysing Buffer</td>
<td>100 ml</td>
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<tr>
<td>554656</td>
<td>Stain Buffer (FBS)</td>
<td>500 ml</td>
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Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. An isotype control should be used at the same concentration as the antibody of interest.
3. 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.
4. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bdbiosciences.com/colors.


References


Yang H, Parkhouse RM. Phenotypic classification of porcine lymphocyte subpopulations in blood and lymphoid tissues. *Immunology.* 1996; 89(1):76-83. (Biology)