Technical Data Sheet

Purified Mouse Anti-Pig Monocyte/Granulocyte

Product Information

Material Number: 553640
Alternate Name: SWC3a
Size: 0.1 mg
Concentration: 0.5 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) antibody, an isotype class-switch variant of mAb 74-22-15, reacts with a 230-kDa protein expressed by most macrophages, peripheral blood monocytes and granulocytes, and few lymphocytes. mAb 74-22-15A does not cross-react 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.
Store undiluted at 4° C.

Application Notes

Application

Flow cytometry Routinely Tested
Immunohistochemistry-frozen Reported
Immunoprecipitation Reported
Depletion Reported

Recommended Assay Procedure:

Other reported applications include immunoprecipitation, complement-mediated depletion, and immunohistochemical staining of frozen sections.

Suggested Companion Products

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
<th>Clone</th>
</tr>
</thead>
<tbody>
<tr>
<td>557351</td>
<td>Purified Mouse IgG2b, κ Isotype Control</td>
<td>0.5 mg</td>
<td>MPC-11</td>
</tr>
<tr>
<td>555988</td>
<td>FITC Goat Anti-Mouse IgG/IgM</td>
<td>0.5 mg</td>
<td>Polyclonal</td>
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Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
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. Sodium azide is a reversible inhibitor of oxidative metabolism; therefore, antibody preparations containing this preservative agent must not be used in cell cultures nor injected into animals. Sodium azide may be removed by washing stained cells or plate-bound antibody or dialyzing soluble antibody in sodium azide-free buffer. Since endotoxin may also affect the results of functional studies, we recommend the NA/LE (No Azide/Low Endotoxin) antibody format, if available, for in vitro and in vivo use.

References


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