Mouse Anti-Porcine CD21

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Format</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>4530-01</td>
<td>Purified (UNLB)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>4530-02</td>
<td>Fluorescein (FITC)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>4530-08</td>
<td>Biotin (BIOT)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>4530-09</td>
<td>R-phyceroerythrin (PE)</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>4530-30</td>
<td>Alexa Fluor® 488 (AF488)</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>4530-31</td>
<td>Alexa Fluor® 647 (AF647)</td>
<td>0.1 mg</td>
</tr>
</tbody>
</table>

Overview

Clone: BB6-11C9.6
Isotype: Mouse IgG1κ
Immunogen: Unknown
Specificity: Porcine CD21; Mr 160 kDa
Alternate Name(s): Complement receptor 2

Description

CD21, also known as complement receptor 2, is expressed on all mature circulating B lymphocytes but not on T lymphocytes or natural killer cells. Low density CD21 has also been reported on granulocytes and monocytes. The monoclonal antibody BB6-11C9.6 stains the following percentages of surface immunoglobulin (sIg) positive cells in porcine lymphoid tissues - 92-96% in peripheral blood, 74-98% in mesenteric lymph nodes, 97-100% in ileal Peyer’s patches (ILPP), 93-97% in spleen, and 0% in thymus. The antibody does not stain B cells in cord blood or spleen from pig fetuses (105 days gestation).

Applications

FC – Quality tested ⁴,⁸-²¹
IHC-FS – Reported in literature ¹-³
IP – Reported in literature ⁴
Sep – Reported in literature ⁵-⁶

Working Dilutions

Flow Cytometry

- FITC, BIOT and AF488 conjugates ≤ 1 µg/10⁶ cells
- PE and AF647 conjugates ≤ 0.2 µg/10⁶ cells

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.
Handling and Storage

- The purified (UNLB) antibody is supplied as 0.5 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 0.5 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Alexa Fluor® 488 (AF488) and Alexa Fluor® 647 (AF647) conjugates are supplied as 0.1 mg in 0.2 mL of PBS/NaN₃. Store at 2-8°C.
- Protect fluochrome-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 SDS.

References