Mouse Anti-Chicken Monocyte/Macrophage

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Format</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>8420-01</td>
<td>Purified (UNLB)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>8420-02</td>
<td>Fluorescein (FITC)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>8420-08</td>
<td>Biotin (BIOT)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>8420-09</td>
<td>R-phycoerythrin (PE)</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>8420-30</td>
<td>Alexa Fluor® 488 (AF488)</td>
<td>0.1 mg</td>
</tr>
</tbody>
</table>

Overview

Clone: KUL01
Isotype: Mouse (BALB/c) IgG1κ
Immunogen: Chicken peripheral blood mononuclear cell leukocytes
Specificity: Chicken Monocyte/Macrophage
Alternate Name(s): N/A

Description

The monoclonal antibody KUL01 is useful in the study of the development, distribution, function, and ontogeny of the mononuclear phagocyte system (MPS) of the chicken by exclusively recognizing the cells of the MPS. It identifies chicken monocytes and macrophages as well as interdigitating cells and activated microglia cells. This antibody does not react with B (Bu-1+) or T (CD3+) lymphocytes.

Applications

FC – Quality tested 1,2,7,8,12,17-23
IHC-FS – Reported in literature 1,3-12,15,16
IHC-PS – Reported in literature 13,14
ICC – Reported in literature 2

Working Dilutions

Flow Cytometry
- Purified (UNLB) antibody ≤ 1 μg/10⁶ cells
- FITC, BIOT, and AF488 conjugates ≤ 1 μg/10⁶ cells
- PE conjugate ≤ 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/NaNO3. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaNO3. Store at 2-8°C.
- The R-phycocerythrin (PE) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaNO3 and a stabilizing agent. Store at 2-8°C. Do not freeze!
- The Alexa Fluor® 488 (AF488) conjugate is supplied as 0.1 mg in 0.2 mL of PBS/NaNO3. Store at 2-8°C.
- Protect fluorochrome-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 (M)SDS.

References

11. Piestlcker C. Investigations on the humoral and cell-mediated immune response in chicken after inoculation with Campylobacter jejuni strains of human and avian origin [thesis]. Hannover (Germany): University of Veterinary Medicine Hannover; 2013. (IHC-FS)