Mouse Anti-Chicken Bu-1a

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Format</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>8365-01</td>
<td>Purified (UNLB)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>8365-02</td>
<td>Fluorescein (FITC)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>8365-08</td>
<td>Biotin (BIOT)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>8365-09</td>
<td>R-phycoerythrin (PE)</td>
<td>0.1 mg</td>
</tr>
</tbody>
</table>

Overview

Clone 21-1A4
Isotype Mouse (BALB/c) IgG1κ
Immunogen Bursa cells from one-day-old H.B15 (Bu-1α) strain chickens
Specificity Chicken Bu-1α; Mr 64 kDa
Alternate Name(s) ChB6.1

Description

Chicken Bu-1a, a product of the Bu-1α allele, is expressed on the cell surface as a disulfide-linked homodimer. In 10-week-old H.B15 and H.B2 chickens, Bu-1 is found on 85-90% of bursal cells, 2-8% of thymocytes, 15-27% of spleen cells, and 2-18% of peripheral blood cells. It is also expressed on subsets of macrophages and monocytes but not on granulocytes, erythrocytes, or thrombocytes. In chickens heterozygous for the Bu-1 alleles (Bu-1α/β), Bu-1a does not exhibit allelic exclusion. The monoclonal antibody 21-1A4 does not react with cells from CHA and H.B14ab strains by immunofluorescence.

Applications

FC – Quality tested 1,5,9
IHC-FS – Reported in literature 2
ICC – Reported in literature 1
IP – Reported in literature 3,4
Apop – Reported in literature 4

Working Dilutions

Flow Cytometry
- Purified (UNLB) antibody ≤ 1 μg/10^6 cells
- FITC and BIOT conjugates ≤ 1 μg/10^6 cells
- PE conjugates ≤ 0.2 μg/10^6 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!**
- 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

8. Hunt HD, Goto RM, Foster DN, Bacon LD, Miller MM. At least one YMHCI molecule in the chicken is alloimmunogenic and dynamically expressed on spleen cells during development. Immunogenetics. 2006;58:297-307. (FC)