Mouse Anti-Chicken CD4

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Format</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>8255-01</td>
<td>Purified (UNLB)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>8255-02</td>
<td>Fluorescein (FITC)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>8255-08</td>
<td>Biotin (BIOT)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>8255-09</td>
<td>R-phycoerythrin (PE)</td>
<td>0.1 mg</td>
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</tbody>
</table>

Overview

Clone: EP96
Isotype: Mouse (BALB/c) IgMκ
Immunogen: Chicken splenocytes
Specificity: Chicken/Turkey CD4; Mr 64 kDa
Alternate Name(s): N/A

Description

CD4 is a type I transmembrane glycoprotein expressed on approximately 70% of thymocytes, 10% of spleen cells, and 45% of peripheral blood lymphocytes but less than 1% of bursal cells.

Applications

Flow Cytometry: FITC and BIOT conjugates ≤ 1 µg/10^6 cells
PE conjugate ≤ 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 SDS.

References

1. Paramithiotis E, Tkalec L, Ratcliffe MJ. High levels of CD45 are coordinately expressed with CD4 and CD8 on avian thymocytes. J Immunol. 1991;147:3710-7. (Immunogen)
2. Marmor MD, Benatar T, Ratcliffe MJ. Retroviral transformation in vitro of chicken T cells expressing either α/β or γ/δ T cell receptors by reticuloendotheliosis virus strain T. J Exp Med. 1993;177:647-56. (FC)
3. Sayegh CE, Ratcliffe MJ. Perinatal deletion of B cells expressing surface Ig molecules that lack V(D)J-encoded determinants in the bursa of Fabricius is not due to intrafollicular competition. J Immunol. 2000;164:5041-8. (FC)
8. SouthernBiotech unpublished data (IP)