Mouse Anti-Porcine CD4

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Format</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>4515-01</td>
<td>Purified (UNLB)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>4515-02</td>
<td>Fluorescein (FITC)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>4515-08</td>
<td>Biotin (BIOT)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>4515-09</td>
<td>R-phycoerythrin (PE)</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>4515-11</td>
<td>Allophycocyanin (APC)</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>4515-13</td>
<td>Spectral Red™ (SPRD)</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>4515-30</td>
<td>Alexa Fluor® 488 (AF488)</td>
<td>0.1 mg</td>
</tr>
</tbody>
</table>

Overview

Clone: 74-12-4
Isotype: Mouse (BALB/c) IgG2b\(\kappa\)
Immunogen: Fresh dd miniature swine thymocytes
Specificity: Porcine CD4, Mr 55 kDa
Alternate Name(s): N/A

Description

Porcine CD4 is a type I transmembrane glycoprotein and a member of the immunoglobulin superfamily of cell surface receptors. CD4 is an accessory molecule in the recognition of foreign antigens in association with MHC Class II molecules by T lymphocytes.

Applications

- **FC** – Quality tested 1,6,7,15,17-31
- **IHC-FS** – Reported in literature 2,8
- **IHC-PS** – Reported in literature 9,10
- **ICC** – Reported in literature 32
- **IP** – Reported in literature 1
- **Sep** – Reported in literature 11-14
- **Block** – Reported in literature 15,16
- **CMCD** – Reported in literature 1

Working Dilutions

- **Flow Cytometry**
  - FITC, BIOT and AF488 conjugates ≤ 1 \(\mu\)g/10⁶ cells
  - PE, APC, and SPRD conjugates ≤ 0.2 \(\mu\)g/10⁶ cells
  - For flow cytometry, the suggested use of these reagents is in a final volume of 100 \(\mu\)L

Other Applications

Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.

**For Research Use Only. Not for Diagnostic or Therapeutic Use.**

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References


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) and allophycocyanin (APC) conjugates are 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 Spectral Red® (SPRD) 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 fluorescent-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.