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-phycocerythin (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/10^6 cells  
PE, APC, and SPRD conjugates ≤ 0.2 \(\mu\)g/10^6 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.
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-phycocerythrin (PE) and allophycocyanin (APC) conjugates are 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 Spectral Red® (SPRD) 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) conjugate is supplied as 0.1 mg in 0.2 mL PBS/NaN3. 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


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