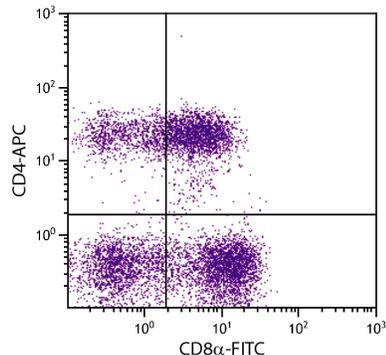




## Mouse Anti-Porcine CD4

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



Porcine peripheral blood lymphocytes were stained with Mouse Anti-Porcine CD4-APC (SB Cat. No. 4515-11) and Mouse Anti-Porcine CD8 $\alpha$ -FITC (SB Cat. No. 4520-02).

### Overview

<b>Clone</b>	74-12-4
<b>Isotype</b>	Mouse (BALB/c) IgG <sub>2b</sub> K $\kappa$
<b>Immunogen</b>	Fresh dd miniature swine thymocytes
<b>Specificity</b>	Porcine CD4; Mr 55 kDa
<b>Alternate Name(s)</b>	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 <sup>1,6,7,15,17-31</sup>  
 IHC-FS – Reported in literature <sup>2-8</sup>  
 IHC-PS – Reported in literature <sup>9,10</sup>  
 ICC – Reported in literature <sup>32</sup>  
 IP – Reported in literature <sup>1</sup>  
 Sep – Reported in literature <sup>11-14</sup>  
 Block – Reported in literature <sup>15,16</sup>  
 CMCD – Reported in literature <sup>1</sup>

### Working Dilutions

<b>Flow Cytometry</b>	FITC, BIOT and AF488 conjugates	$\leq 1 \mu\text{g}/10^6$ cells
	PE, APC, and SPRD conjugates	$\leq 0.2 \mu\text{g}/10^6$ cells

For flow cytometry, the suggested use of these reagents is in a final volume of 100  $\mu\text{L}$ .

**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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## 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/Na<sub>3</sub>. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/Na<sub>3</sub>. Store at 2-8°C.
- The R-phycoerythrin (PE) and allophycocyanin (APC) conjugates are supplied as 0.1 mg in 1.0 mL of PBS/Na<sub>3</sub> and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Spectral Red<sup>®</sup> (SPRD) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/Na<sub>3</sub> and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Alexa Fluor<sup>®</sup> 488 (AF488) conjugate is supplied as 0.1 mg in 0.2 mL of PBS/Na<sub>3</sub>. 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 SDS.

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