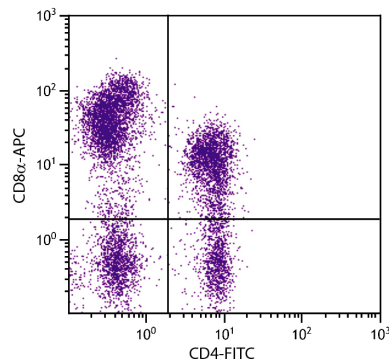




Mouse Anti-Porcine CD8 α

Cat. No.	Format	Size
4520-01	Purified (UNLB)	0.5 mg
4520-02	Fluorescein (FITC)	0.5 mg
4520-08	Biotin (BIOT)	0.5 mg
4520-09	R-phycoerythrin (PE)	0.1 mg
4520-11	Allophycocyanin (APC)	0.1 mg
4520-13	Spectral Red [®] (SPRD)	0.1 mg
4520-30	Alexa Fluor [®] 488 (AF488)	0.1 mg



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

Overview

Clone	76-2-11
Isotype	Mouse (BALB/c) IgG _{2a} K
Immunogen	Fresh <i>dd</i> miniature swine thymocytes
Specificity	Porcine CD8 α ; Mr 35 kDa
Alternate Name(s)	N/A

Description

Porcine CD8, a type I transmembrane glycoprotein, is expressed as either a CD8 $\alpha\alpha$ homodimer or a CD8 $\alpha\beta$ heterodimer. It is found on most thymocytes and on the suppressor/cytotoxic subpopulation of peripheral T cells. CD8 functions primarily as a co-receptor with MHC Class I-restricted T cell receptors in antigen recognition. The monoclonal antibody 76-2-11 reacts with the CD8 α -chain.

Applications

FC – Quality tested ^{1,11-15,17-28}
 IHC-FS – Reported in literature ^{2-6,16}
 IHC-PS – Reported in literature ⁷
 IP – Reported in literature ¹
 Block – Reported in literature ^{8,9}
 Depletion – Reported in literature ¹⁰
 CMCD – Reported in literature ¹

Working Dilutions

Flow Cytometry	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 μL .	
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.

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) 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 of 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 SDS.

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