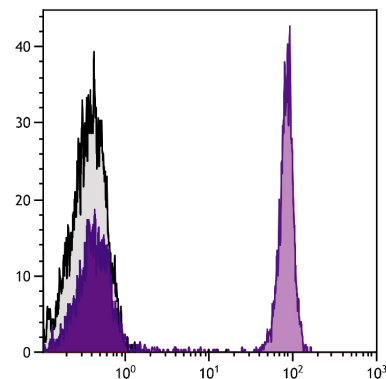




Mouse Anti-Chicken CD4

Cat. No.	Format	Size
8255-01	Purified (UNLB)	0.5 mg
8255-02	Fluorescein (FITC)	0.5 mg
8255-08	Biotin (BIOT)	0.5 mg
8255-09	R-phycoerythrin (PE)	0.1 mg



Chicken peripheral blood lymphocytes were stained with Mouse Anti-Chicken CD4-UNLB (SB Cat. No. 8255-01) followed by Goat Anti-Mouse IgM, Human ads-PE (SB Cat. No. 1020-09).

Overview

Clone	EP96
Isotype	Mouse (BALB/c) IgM κ
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

FC – Quality tested²⁻⁷
IP⁸

Working Dilutions

Flow Cytometry	FITC and BIOT conjugates	$\leq 1 \mu\text{g}/10^6$ cells
	PE conjugate	$\leq 0.2 \mu\text{g}/10^6$ 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.

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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/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

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6. Yang X, Yao J, He X, Yang Y, Zhang B, Yuan J, et al. Dietary oils modulate T-cell differentiation and IL-2 bioactivity of intestinal mucosal lymphocytes in chickens. *Food Agr Immunol.* 2011;22:205-15. (FC)
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