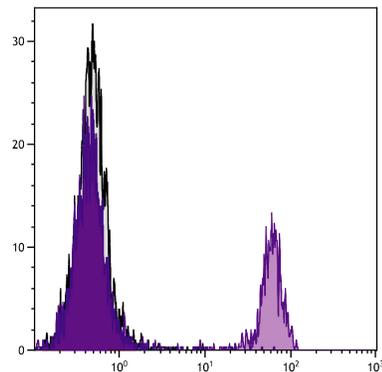




Mouse Anti-Chicken CD8 α

Cat. No.	Format	Size
8405-01	Purified (UNLB)	0.5 mg
8405-02	Fluorescein (FITC)	0.5 mg
8405-08	Biotin (BIOT)	0.5 mg
8405-09	R-phycoerythrin (PE)	0.1 mg
8405-15	Cyanine 5 (CY5)	0.1 mg



Chicken peripheral blood lymphocytes were stained with Mouse Anti-Chicken CD8 α -BIOT (SB Cat. No. 8405-08) followed by Streptavidin-FITC (SB Cat. No. 7100-02).

Overview

Clone	3-298
Isotype	Mouse IgG _{2b} K
Immunogen	Chicken thymocytes
Specificity	Chicken/Turkey CD8 α ; Mr 34 kDa
Alternate Name(s)	N/A

Description

In the chicken the CD8 molecule is present in two forms - (i) a homodimer of two α chains and (ii) a heterodimer of an α chain and a β chain. Chicken CD8 is expressed on approximately 80% of thymocytes, 45% of blood mononuclear cells, and 50% of spleen cells but less than 1% of cells in the bursa and bone marrow. While the vast majority of CD8⁺ cells in the thymus, spleen, and blood of adult chickens express both CD8 α - and CD8 β -chains, a relatively large proportion of the CD8⁺ TCR $\gamma\delta$ cells in the spleens of embryos and young chicks express only the α -chain of CD8. Among intestinal epithelial lymphocytes, the major CD8⁺ T cell populations present in mice are conserved but there is a population of TCR $\gamma\delta$ CD8 $\alpha\beta$ cells in the chicken that is not found in rodents. The monoclonal antibody 3-298 recognizes the CD8 α chain of both the chicken and turkey.

Applications

FC – Quality tested ^{1,4-19}
 IHC-FS – Reported in literature ^{1,2}
 IP – Reported in literature ³
 WB – Reported in literature ³
 Sep – Reported in literature ⁴

Working Dilutions

Flow Cytometry	FITC, and BIOT conjugates	$\leq 1 \mu\text{g}/10^6$ cells
	PE and CY5 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) 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 Cyanine 5 (CY5) conjugate is supplied as 0.1 mg in 1.0 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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