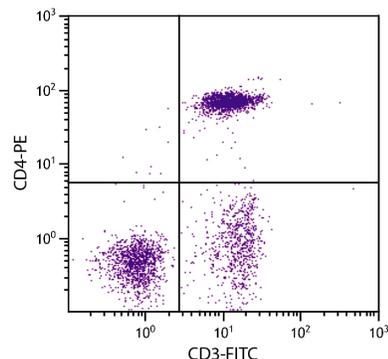




Mouse Anti-Chicken CD4

Cat. No.	Format	Size
8210-01	Purified (UNLB)	0.5 mg
8210-02	Fluorescein (FITC)	0.5 mg
8210-08	Biotin (BIOT)	0.5 mg
8210-09	R-phycoerythrin (PE)	0.1 mg
8210-11	Allophycocyanin (APC)	0.1 mg
8210-13	Spectral Red [®] (SPRD)	0.1 mg
8210-17	R-phycoerythrin-Cyanine 7 (PE/CY7)	0.1 mg
8210-26	Pacific Blue [™] (PACBLU)	0.1 mg
8210-27	Alexa Fluor [®] 700 (AF700)	0.1 mg
8210-30	Alexa Fluor [®] 488 (AF488)	0.1 mg
8210-31	Alexa Fluor [®] 647 (AF647)	0.1 mg



Chicken peripheral blood lymphocytes were stained with Mouse Anti-Chicken CD4-PE (SB Cat. No. 8210-09) and Mouse Anti-Chicken CD3-FITC (SB Cat. No. 8200-02).

Overview

Clone	CT-4
Isotype	Mouse (BALB/c) IgG _{1κ}
Immunogen	Chicken thymocytes and Ig-negative blood leukocytes
Specificity	Chicken/Turkey/Quail/Pigeon 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. The monoclonal antibody CT-4 inhibits both PHA- and Con A-induced proliferative responses of splenocytes and PWM-induced IL-2 production. This antibody also reacts with turkey and quail as demonstrated by flow cytometry.

Applications

FC – Quality tested^{1,6-19}
 IHC-FS – Reported in literature²⁻⁴
 IHC-PS – Reported in literature⁵
 IP – Reported in literature¹
 Block – Reported in literature¹

Working Dilutions

Flow Cytometry	FITC, BIOT, AF488, and PACBLU conjugates	≤ 1 μg/10 ⁶ cells
	PE and SPRD conjugates	≤ 0.2 μg/10 ⁶ cells
	AF700, AF647, APC, and PE/CY7 conjugates	≤ 0.1 μg/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.

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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) 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) and R-phycoerythrin-Cyanine 7 (PE/CY7) 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 Pacific Blue[™] (PACBLU), Alexa Fluor[®] 488 (AF488), Alexa Fluor[®] 647 (AF647), and Alexa Fluor[®] 700 (AF700) conjugates are 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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