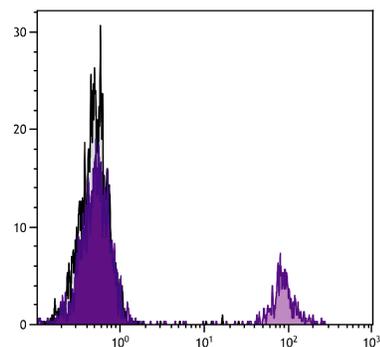




Mouse Anti-Chicken Bu-1b

Cat. No.	Format	Size
8370-01	Purified (UNLB)	0.5 mg
8370-02	Fluorescein (FITC)	0.5 mg
8370-08	Biotin (BIOT)	0.5 mg
8370-09	R-phycoerythrin (PE)	0.1 mg



Chicken peripheral blood lymphocytes were stained with Mouse Anti-Chicken Bu-1b-UNLB (SB Cat. No. 8370-01) followed by Goat Anti-Mouse IgG₁, Human ads-FITC (SB Cat. No. 1070-02).

Overview

Clone	5-11G2
Isotype	Mouse (BALB/c) IgG ₁ κ
Immunogen	Bursa cells from two- to five-week-old CHA (Bu-1 ^b) strain chickens
Specificity	Chicken Bu-1b; Mr 70 kDa
Alternate Name(s)	ChB6.2

Description

Chicken Bu-1b, a product of the Bu-1^b allele, is expressed on the cell surface as a disulfide-linked homodimer. In 10-week-old H.B15 and H.B2 chickens, Bu-1 is found on 85-90% of bursal cells, 2-8% of thymocytes, 15-27% of spleen cells, and 2-18% of peripheral blood cells. It is also expressed on subsets of macrophages and monocytes but not on granulocytes, erythrocytes, or thrombocytes. In chickens heterozygous for the Bu-1 alleles (Bu-1^{ab}), Bu-1a does not exhibit allelic exclusion. The monoclonal antibody 5-11G2 reacts with lymphoid cells from CHA and H.B14Ab strains but does not react with cells from H.B14Aa.

Applications

FC – Quality tested ^{1,10-16}
 IHC-FS – Reported in literature ²⁻⁶
 ICC – Reported in literature ^{1,7}
 IP – Reported in literature ^{7,8}
 Apop – Reported in literature ^{8,9}

Working Dilutions

Flow Cytometry	Purified (UNLB) antibody	≤ 1 μg/10 ⁶ cells
	FITC and BIOT conjugates	≤ 1 μg/10 ⁶ cells
	PE conjugates	≤ 0.2 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.

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!**
- 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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