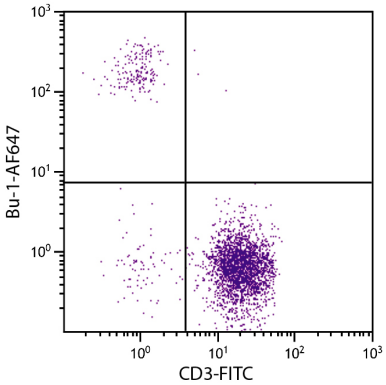
SouthernBiotech

Mouse Anti-Chicken Bu-1

Cat. No.	Format	Size
8395-01	Purified (UNLB)	0.5 mg
8395-02	Fluorescein (FITC)	0.5 mg
8395-08	Biotin (BIOT)	0.5 mg
8395-09	R-phycoerythrin (PE)	0.1 mg
8395-26	Pacific Blue™ (PACBLU)	0.1 mg
8395-30	Alexa Fluor® 488 (AF488)	0.1 mg
8395-31	Alexa Fluor® 647 (AF647)	0.1 mg



Chicken peripheral blood lymphocytes were stained with Mouse Anti-Chicken Bu-1-AF647 (SB Cat. No. 8395-31) and Mouse Anti-Chicken CD3-FITC (SB Cat. No. 8200-02).

Overview

Clone	AV20
Isotype	Mouse (BALB/c) $IgG_1\kappa$
Immunogen	Chicken peripheral blood lymphocytes and splenocytes
Specificity	Chicken Bu-1; Mr 70 kDa
Alternate Name(s)	ChB6

Description

Chicken Bu-1, a product of the Bu-1[a] and Bu-1[b] alleles, is a type I transmembrane glycosylated disulfide-linked homodimer. The monoclonal antibody AV20 recognizes a monomorphic determinant on the Bu-1 B cell-associated alloantigens of both RPL 6(3) (Bu-1a) and 7(2) (Bu-1b) lines of inbred chickens. The antibody also identifies B cells in partially inbred birds. 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. The monoclonal antibody AV20 does not cross react with turkey cells when analyzed by flow cytometry.

Applications

FC – Quality tested [1,5-7,13-26]
IHC-FS – Reported in literature [2-8]
IHC-PS – Reported in literature [9-11]
ICC – Reported in literature [1]
IP – Reported in literature [1,12]

Working Dilutions

Flow Cytometry	Purified (UNLB) antibody	≤ 1 µg/10^6 cells
	FITC, BIOT, PACBLU, and AF488 conjugates	≤ 1 µg/10^6 cells
	PE conjugate	≤ 0.2 µg/10^6 cells
	AF647 conjugate	≤ 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/NaN_3. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN_3. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN_3 and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Pacific Blue™ (PACBLU), Alexa Fluor® 488 (AF488), and Alexa Fluor® 647 (AF647) conjugates are supplied as 0.1 mg in 0.2 mL of PBS/NaN_3. 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.

References

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