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Datasheet for ABIN135594

anti-Bu-1 antibody

1 Image

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Overview

Quantity:	0.5 mg
Target:	Bu-1
Reactivity:	Chicken
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Bu-1 antibody is un-conjugated
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Chicken peripheral blood lymphocytes and splenocytes
Clone:	AV20
Isotype:	IgG1
Specificity:	Chicken Bu-1, Mr 70 kDa
Characteristics:	Mouse Anti-Chicken Bu-1-UNLB
Purification:	Purified

Target Details

Target:	Bu-1
Abstract:	Bu-1 Products
Background:	Chicken Bu-1, a product of the Bu-1a and Bu-1b alleles, is a type I transmembrane glycosylated,

Target Details

disulfide-linked homodimer. MAb 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.

Application Details

Application Notes:

- **Applications:** FC - Quality tested , IHC-FS - Reported in literature , IHC-PS - Reported in literature , ICC - Reported in literature , IP - Reported in literature
- **Working Dilutions:** Flow Cytometry Purified (UNLB) antibody 1 g/106 cells FITC, BIOT, and AF488 conjugates 1 g/106 cells PE conjugate 0.2 g/106 cells AF647 conjugate 0.1 g/106 cells For flow cytometry, the suggested use of these reagents is in a final volume of 100 L

Sample Volume: 1 mL

Restrictions: For Research Use only

Handling

Concentration: 0.5 mg/mL

Buffer: 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

Preservative: Without preservative

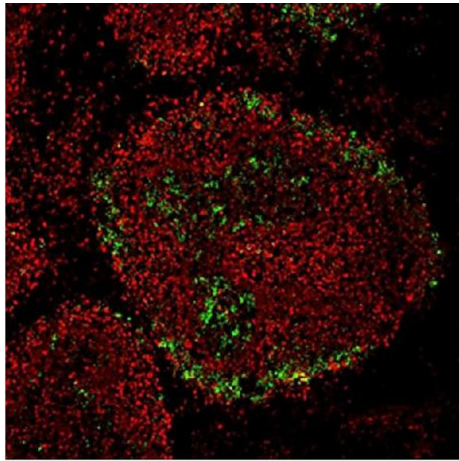
Handling Advice: Each reagent is stable for the period shown on the bottle label if stored as directed.

Storage: 4 °C

Storage Comment: Store at 2-8°C

Publications

Product cited in: Nordengrün, Abdurrahman, Treffon, Wächter, Kahl, Bröker: "Allergic Reactions to Serine Protease-Like Proteins of Staphylococcus aureus." in: **Frontiers in immunology**, Vol. 12, pp. 651060, (2021) ([PubMed](#)).



Bu-1 5hmC

Immunofluorescence

Image 1. Frozen IBD infected bursa tissue section was stained with Mouse Anti-Chicken Bu-1-UNLB and anti-5hmC followed by secondary antibodies.

Image from Ciccone NA, Mwangi W, Ruzov A, Smith LP, Butter C, Nair V. A B-cell targeting virus disrupts potentially protective genomic methylation patterns in lymphoid tissue by increasing global 5-hydroxymethylcytosine levels. Vet Res. 2014;45:108. Figure 4